

Fig 2a WB

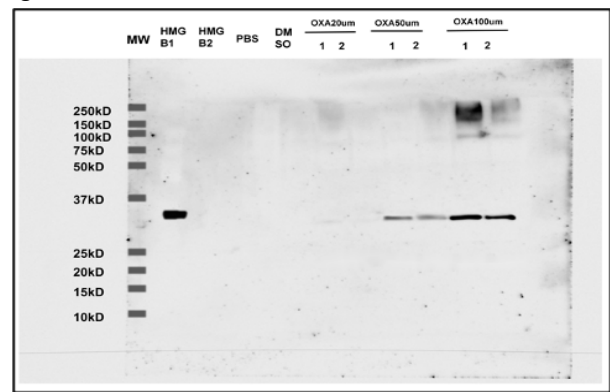


Fig 2b WB

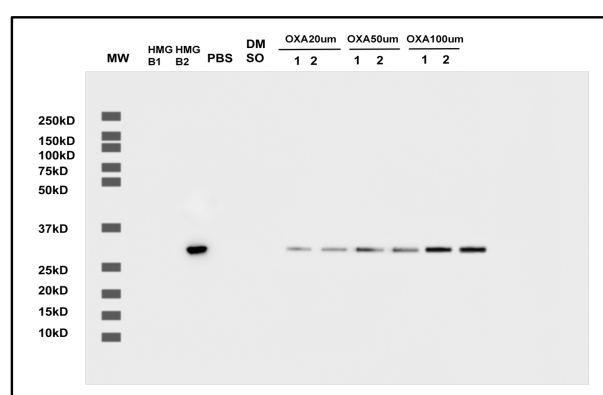


Fig 2c WB

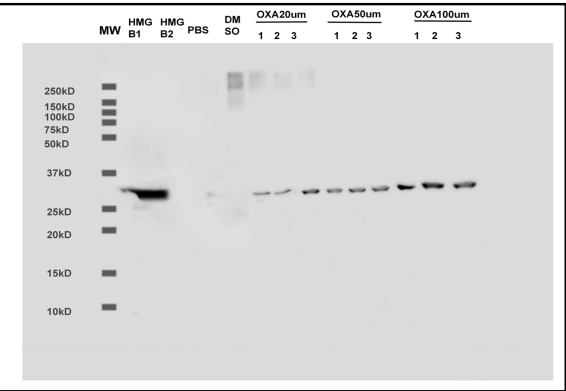


Fig 2d WB

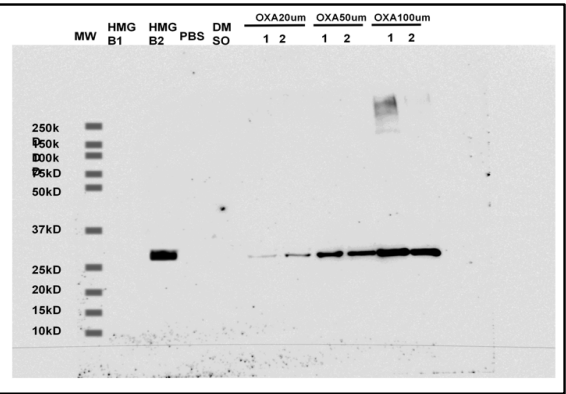


Fig. 2a				
A549 media	HMGB1 (Gray)	Mean HMGB1 after 100 uM oxa (Gray)	HMGB1 (%)	Mean
RE-HMGB1	13761.50			
RE-HMGB2	1.66			
PBS	49.04		0.9%	0.9%
DMSO	38.94		0.7%	0.7%
OXA20 uM1	317.75		6.0%	
OXA20 uM2	945.92		17.9%	12.0%
OXA50 uM1	1398.16		26.5%	
OXA50 uM2	4226.67		80.0%	53.3%
OXA100 uM1	4459.06		84.4%	
OXA100 uM2	6101.25	5280.15	115.6%	100.0%
Fig 2b				
A549	HMGB2 media Gray	Mean HMGB2 after 100 uM oxa (Gray)	HMGB2 (%)	Mean
RE-HMGB1	0.00			
RE-HMGB2	11712.47			
PBS	92.44		1.6%	1.6%
DMSO	45.21		0.8%	0.8%
OXA20 uM1	1932.48		33.1%	
OXA20 uM2	2170.70		37.2%	35.1%
OXA50 uM1	4227.60		72.4%	
OXA50 uM2	3821.02		65.5%	68.9%
OXA100 uM1	6647.01		113.9%	
OXA100 uM2	5028.23	5837.62	86.1%	100.0%

Fig. 2c				
HCT116 media	HMGB1 (Gray)	Mean HMGB1 after 100 uM oxa (Gray)	HMGB1 (%)	Mean
RE-HMGB1	20053.88			
RE-HMGB2	0.88			
PBS	32.66		0.4%	0.4%
DMSO	35.14		0.4%	0.4%
OXA20 uM1	3006.53		33.4%	
OXA20 uM2	2029.87		22.5%	27.9%
OXA50 uM1	7459.46		82.8%	
OXA50 uM2	7052.95		78.3%	80.5%
OXA100 uM1	9772.48		108.4%	
OXA100 uM2	8252.841	9012.66	91.6%	100.0%
Fig 2d				
HCT116	HMGB2 media (Gray)	Mean HMGB2 after 100 uM oxa (Gray)	HMGB2 (%)	Mean
RE-HMGB1	0.12			
RE-HMGB2	16113.64			
PBS	50.96		0.3%	0.3%
DMSO	3.91		0.0%	0.0%
OXA20 uM1	2930.26		19.3%	
OXA20 uM2	1910.31		12.6%	15.9%
OXA50 uM1	10701.60		70.4%	
OXA50 uM2	8667.13		57.0%	63.7%
OXA100 uM1	14985.62		98.6%	
OXA100 uM2	15412.15	15198.88	101.4%	100.0%

Fig 2e						
HMGB1						
Theoretical HMGB1 (ng)	Ratio L/H	Slope	Intercept	R2	Calculated	CV
65	0.5815	0.01306	-0.3176	0.9856	68.84	106%
130	1.1268	0.01306	-0.3176	0.9856	110.60	85%
360	4.6828	0.01306	-0.3176	0.9856	382.88	106%
550	7.2182	0.01306	-0.3176	0.9856	577.01	105%
680	8.3508	0.01306	-0.3176	0.9856	663.74	98%
HMGB1						
HMGB1 values						
Sample	Light	Slope	Intercept	R2	Calculated	HMGB1
02012024_a549_PBS1	0.20	0.01306	-0.3176	0.9856	39.29	1.31
02012024_a549_PBS2	0.04	0.01306	-0.3176	0.9856	27.21	0.91
02012024_a549_PBS3	0.03	0.01306	-0.3176	0.9856	26.58	0.89
						1.03
						0.24
						23%
02012024_A549_OXA1	3.52	0.01306	-0.3176	0.9856	294.22	9.81
02012024_A549_OXA2	1.94	0.01306	-0.3176	0.9856	173.15	5.77
02012024_A549_OXA3	2.33	0.01306	-0.3176	0.9856	202.42	6.75
						7.44
						2.11
						28%
02012024_HCT_PBS1	0.16	0.01306	-0.3176	0.9856	36.34	1.21
02012024_HCT_PBS2	0.01	0.01306	-0.3176	0.9856	25.37	0.85
02012024_HCT_PBS3	0.34	0.01306	-0.3176	0.9856	50.13	1.67
						1.24
						0.41
						33%
02012024_HCT_OXA1	2.64	0.01306	-0.3176	0.9856	226.09	7.54
02012024_HCT_OXA2	2.17	0.01306	-0.3176	0.9856	190.49	6.35
02012024_HCT_OXA3	2.20	0.01306	-0.3176	0.9856	192.61	6.42
						6.77
						0.67
						10%

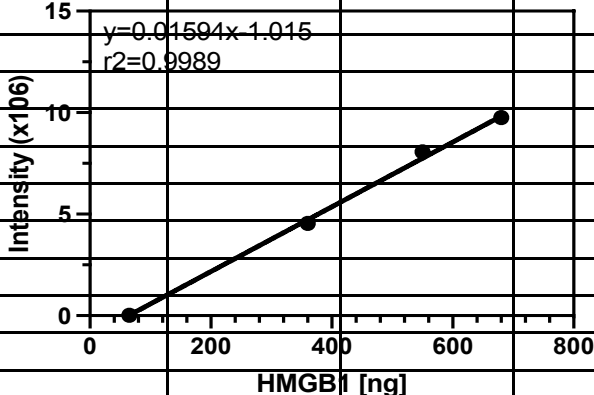
Fig 2f						
HMGB2						
Theoretical HMGB1 (ng)	Light	Slope	Intercept	R2	Calculated HMGB1 (ng)	Accuracy
65	0.02	0.01594	-1.015	0.9989	65.11	100%
360	4.54	0.01594	-1.015	0.9989	348.44	97%
550	8.07	0.01594	-1.015	0.9989	570.16	104%
680	9.75	0.01594	-1.015	0.9989	675.65	99%
HMGB2						
						
HMGB2 values						
Sample	Light	Slope	Intercept	R2	Calculated	HMGB2
02012024 a549 PBS1	0.00	0.1594	-1.015	0.9989	BLQ	BLQ
02012024 a549 PBS2	0.10	0.1594	-1.015	0.9989	BLQ	BLQ
02012024 a549 PBS3	0.11	0.1594	-1.015	0.9989	BLQ	BLQ
				Mean	BLQ	BLQ
02012024 A549 OXA1	15.90	0.1594	-1.015	0.9989	106.10	3.54
02012024 A549 OXA2	17.36	0.1594	-1.015	0.9989	115.30	3.84
02012024 A549 OXA3	25.41	0.1594	-1.015	0.9989	165.77	5.53
				Mean	129.06	4.30
				SD	32.13	1.07
				CV	24.9%	24.9%
02012024 HCT PBS1	0.55	0.1594	-1.015	0.9989	BLQ	BLQ
02012024 HCT PBS2	0.31	0.1594	-1.015	0.9989	BLQ	BLQ
02012024 HCT PBS3	0.73	0.1594	-1.015	0.9989	BLQ	BLQ
				Mean	BLQ	BLQ
02012024 HCT OXA1	36.99	0.1594	-1.015	0.9989	238.41	7.95
02012024 HCT OXA2	49.12	0.1594	-1.015	0.9989	314.55	10.49
02012024 HCT OXA3	35.35	0.1594	-1.015	0.9989	228.11	7.60
				Mean	260.36	8.68
				SD	47.22	1.57
				CV	18.1%	18.1%

Fig 2g					
CELL intervention time	A549 oxa 24h				
	PBS	DMSO(5%)	OXA20UM	OXA50UM	OXA100UM
TOTAL	12400000	16100000	16000000	12700000	16100000
	12900000	13800000	15200000	16800000	15700000
	13100000	12900000	14000000	14900000	12400000
	15300000	12600000	14200000	13000000	13200000
	15800000	15700000	16500000	17400000	14400000
	PBS	DMSO(5%)	OXA20UM	OXA50UM	OXA100UM
viability	98.7	52.6	95.4	94.1	89.7
	98.2	58.4	96.9	93.6	88.5
	96.7	53.8	96.8	93.1	86.4
	98.1	58.7	95.1	93.8	84.5
	97.1	54.9	94.4	92.7	83.4
	PBS	DMSO(5%)	OXA20UM	OXA50UM	OXA100UM
dead cell	161200	7631400	736000	749300	1658300
	232200	5740800	471200	1075200	1805500
	432300	5959800	448000	1028100	1686400
	290700	5203800	539000	806000	2046000
	458200	7080700	924000	1270200	2390400
	PBS	DMSO(5%)	OXA20UM	OXA50UM	OXA100UM
% Dead cell	1.3%	47.4%	4.6%	5.9%	10.3%
	1.8%	41.6%	3.1%	6.4%	11.5%
	3.3%	46.2%	3.2%	6.9%	13.6%
	1.9%	41.3%	3.8%	6.2%	15.5%
	2.9%	45.1%	5.6%	7.3%	16.6%
	2.2%	44.3%	4.1%	6.5%	13.5%
p-value					
p*					

Fig 2h					
CELL intervention time	HCT116 oxa 24h				
	PBS	DMSO(5%)	OXA20UM	OXA50UM	OXA100UM
TOTAL	19900000	18000000	17800000	18100000	19500000
	18600000	17900000	19400000	16700000	18700000
	19100000	19300000	16900000	17600000	19700000
	17400000	19100000	21400000	20100000	17000000
	18800000	18400000	17500000	19800000	20000000
	PBS	DMSO(5%)	OXA20UM	OXA50UM	OXA100UM
viability	99.1	50.4	94.2	89.6	72.4
	98.4	56.8	95.3	85.6	67.5
	97.3	57.2	96.2	92.3	65.8
	98.6	56.4	96.8	90.8	64.5
	98.9	59.2	94.0	91.9	71.9
	PBS	DMSO(5%)	OXA20UM	OXA50UM	OXA100UM
dead cell	179100	8928000	1032400	1882400	5382000
	297600	7732800	911800	2404800	6077500
	515700	8260400	642200	1355200	6737400
	243600	8327600	684800	1849200	6035000
	206800	7507200	1050000	1603800	5620000
	PBS	DMSO(5%)	OXA20UM	OXA50UM	OXA100UM
dead cell %	0.9%	49.6%	5.8%	10.4%	27.6%
	1.6%	43.2%	4.7%	14.4%	32.5%
	2.7%	42.8%	3.8%	7.7%	34.2%
	1.4%	43.6%	3.2%	9.2%	35.5%
	1.1%	40.8%	6.0%	8.1%	28.1%
	1.5%	44.0%	4.7%	10.0%	31.6%
p-value					
p*					

Fig 3a WB

b

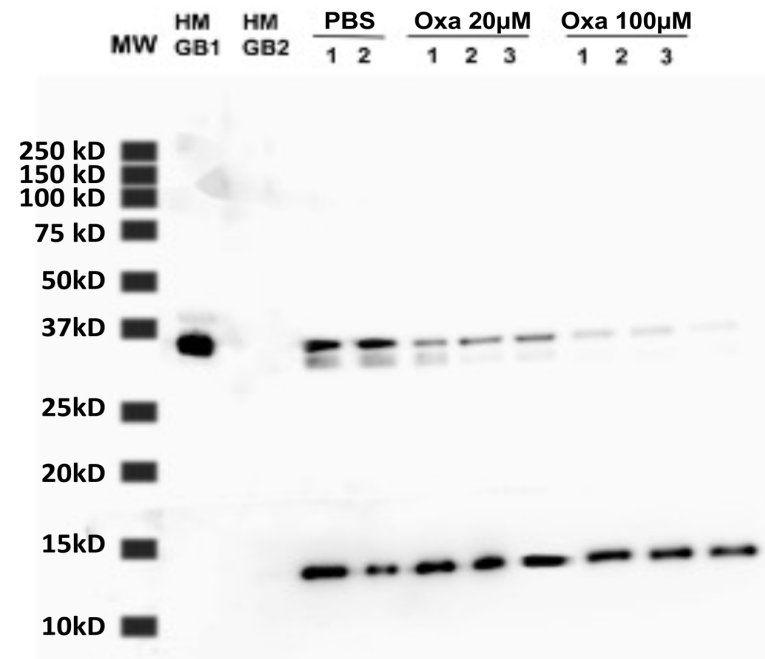


Fig 2b WB

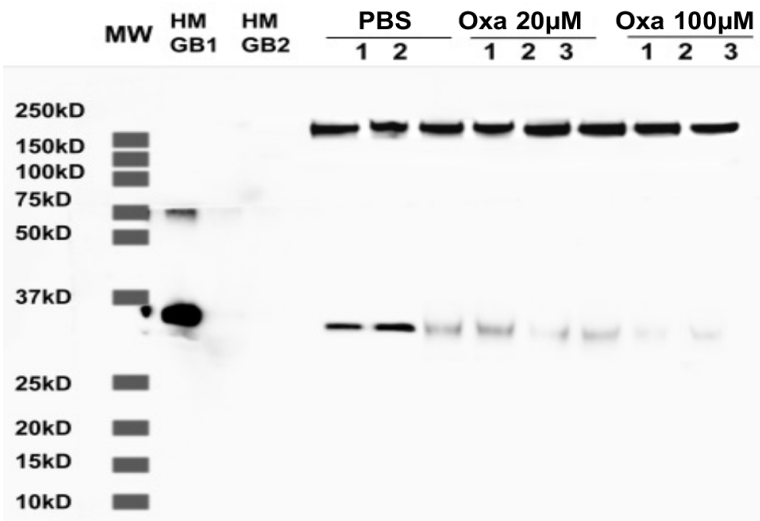


Fig 2c WB

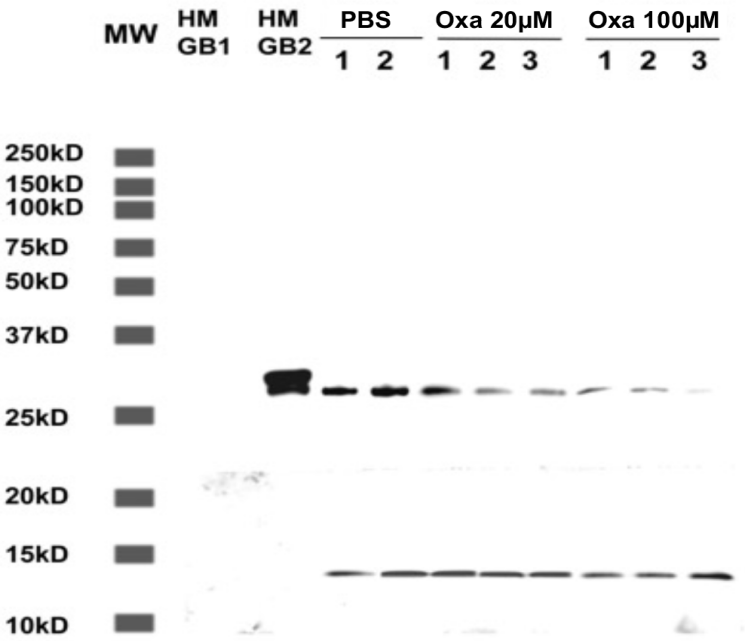


Fig 2d WB

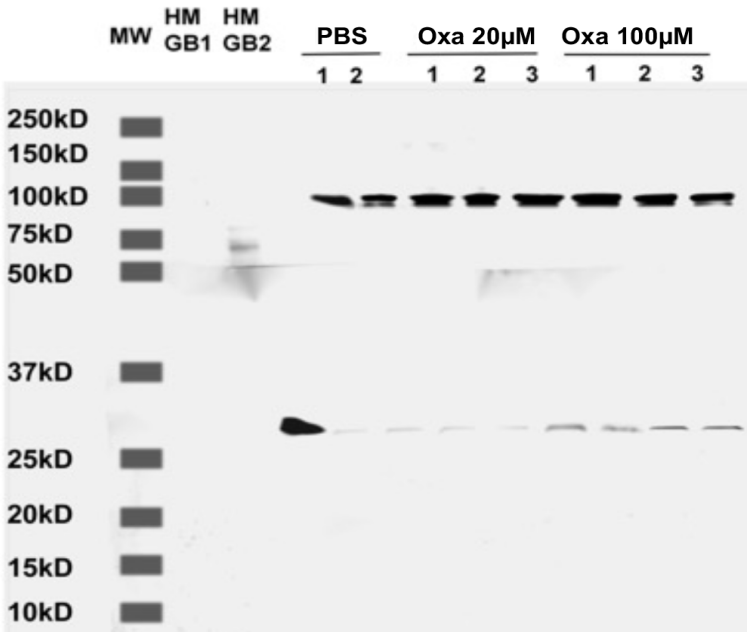


Figure 3a								
A549-NUC								
H4		HMGB1						
Treatment	H4 Gray value	Treatment	HMGB1 Gray value	HMGB1/ H4	PBS average	% PBS	Mean % PBS	SD
RE-HMGB1	0	RE-HMGB1	17607.3					
RE-HMGB2	0	RE-HMGB2	0.0					
PBS1	11156.933	PBS1	8425.4	0.7552		101.5%		
PBS2	10784.255	PBS2	7909.1	0.7334	0.7443	98.5%	100.0%	
oxa20uM1	17010.983	oxa20uM1	2695.6	0.1585		21.3%		
oxa20uM2	13184.376	oxa20uM2	5949.4	0.4512		60.6%		
oxa20uM3	13233.861	oxa20uM3	3142.0	0.2374		31.9%	37.9%	20.4%
oxa100uM1	12867.033	oxa100uM1	914.0	0.0710		9.5%		
oxa100uM2	12302.154	oxa100uM2	735.2	0.0598		8.0%		
oxa100uM3	11211.518	oxa100uM3	365.3	0.0326		4.4%	7.3%	2.7%
Figure 3b								
A549-cyto								
FASN		HMGB1						
Treatment	FASN Gray value	Treatment	HMGB1 Gray value	HMGB1/ FASN	PBS average	% PBS	Mean % PBS	SD
RE-HMGB1	0	RE-HMGB1	15676.468					
RE-HMGB2	0	RE-HMGB2	0					
PBS1	17673.569	PBS1	3248.113	0.1838		24.7%		
PBS2	14370.962	PBS2	4504.062	0.3134	0.2486	42.1%	33.4%	
oxa20uM1	15381.338	oxa20uM1	2016.477	0.1311		17.6%		
oxa20uM2	19618.376	oxa20uM2	2199.184	0.1121		15.1%		
oxa20uM3	19956.79	oxa20uM3	830.648	0.0416		5.6%	12.8%	6.3%
oxa100uM1	17624.305	oxa100uM1	1419.698	0.0806		10.8%		
oxa100uM2	14760.205	oxa100uM2	393.92	0.0267		3.6%		
oxa100uM3	15602.317	oxa100uM3	488.213	0.0313		4.2%	6.2%	4.0%

Figure 3c								
A549-NUC								
H4		HMGB2						
Treatment	H4 Gray value	Treatment	HMGB2 Gray value	HMGB2/ H4	PBS average	% PBS	Mean % PBS	SD
RE-HMGB1	0	RE-HMGB1	0.0					
RE-HMGB2	0	RE-HMGB2	17934.4					
PBS1	10848.276	PBS1	4532.5	0.4178		103.9%		
PBS2	15060.426	PBS2	5820.2	0.3865	0.4021	96.1%	100.0%	
oxa20uM1	14890.477	oxa20uM1	3229.7	0.2169		53.9%		
oxa20uM2	13218.062	oxa20uM2	1538.2	0.1164		28.9%		
oxa20uM3	12541.648	oxa20uM3	1602.6	0.1278		31.8%	38.2%	13.7%
oxa100uM1	9551.376	oxa100uM1	1090.2	0.1141		28.4%		
oxa100uM2	10507.326	oxa100uM2	811.0	0.0772		19.2%		
oxa100uM3	16290.326	oxa100uM3	769.2	0.0472		11.7%	19.8%	8.3%
Figure 3d								
A549-cyto								
FASN		HMGB2						
Treatment	FASN Gray value	Treatment	HMGB2 Gray value	HMGB2/ FASN	PBS average	% PBS	Mean % PBS	SD
RE-HMGB1	0	RE-HMGB1	0					
RE-HMGB2	0	RE-HMGB2	13228.669					
PBS1	10861.912	PBS1	198.899	0.0183		4.6%		
PBS2	11282.255	PBS2	327.435	0.0290	0.0237	7.2%	5.9%	
oxa20uM1	16074.033	oxa20uM1	352.607	0.0219		5.5%		
oxa20uM2	13845.255	oxa20uM2	475.899	0.0344		8.5%		
oxa20uM3	15671.841	oxa20uM3	818.82	0.0522		13.0%	9.0%	3.8%
oxa100uM1	16520.184	oxa100uM1	1305.598	0.0790		19.7%		
oxa100uM2	15669.426	oxa100uM2	1455.163	0.0929		23.1%		
oxa100uM3	13752.205	oxa100uM3	1546.698	0.1125		28.0%	23.6%	4.2%

Fig 4a WB

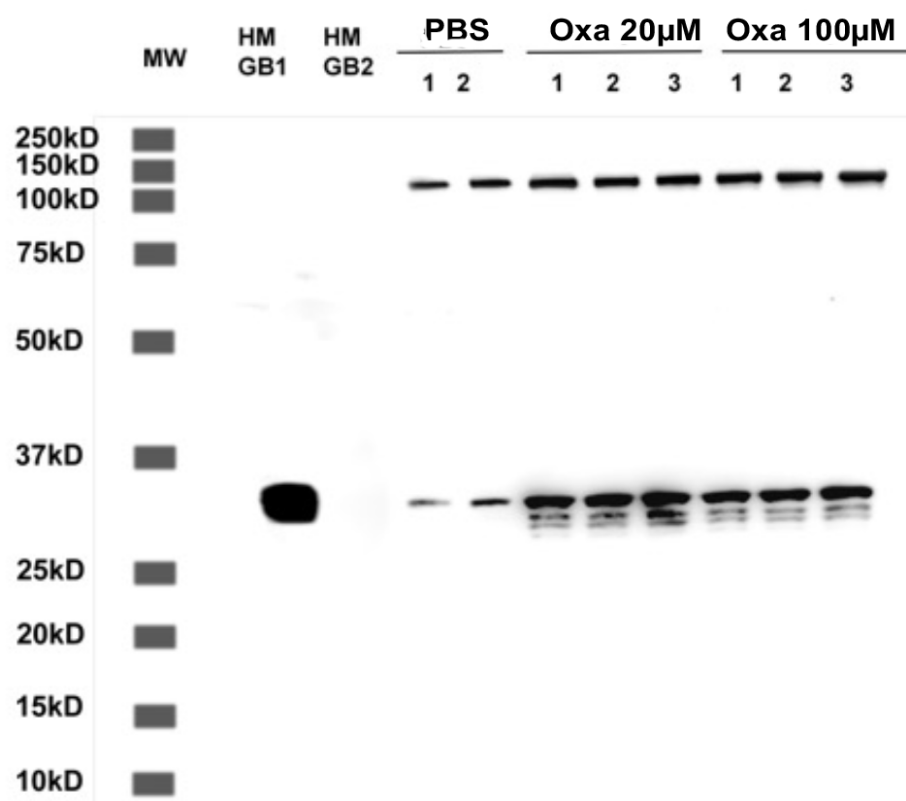
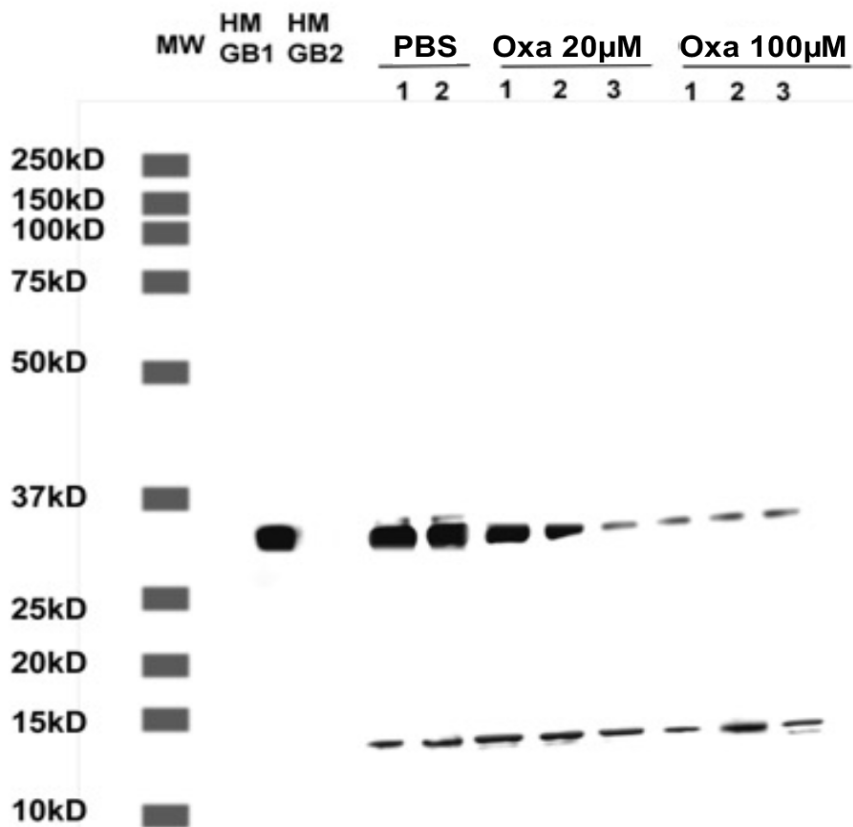


Fig 4c WB

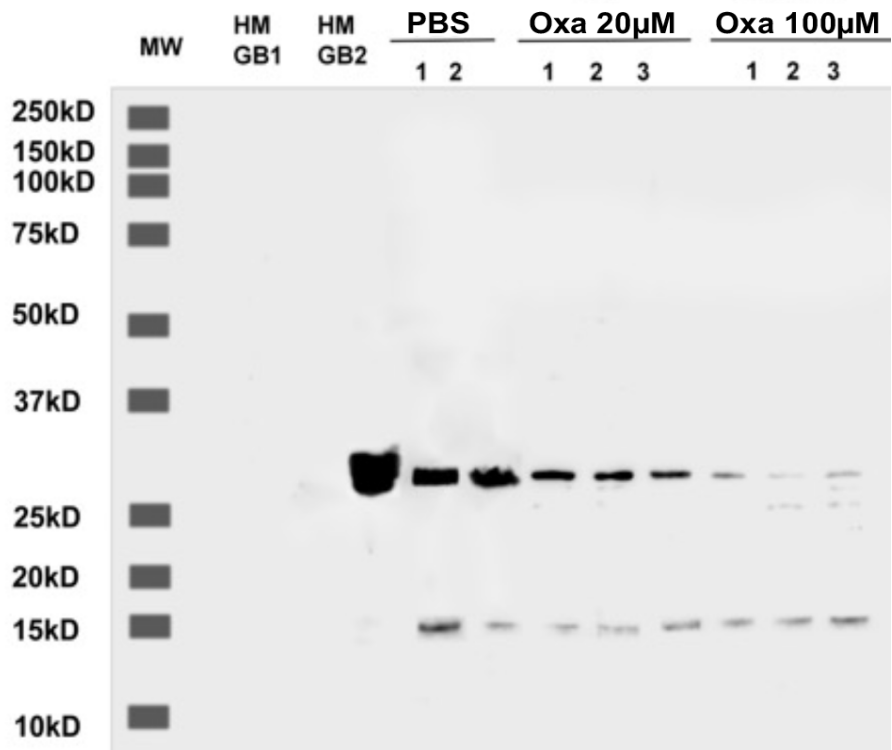


Fig 4c WB

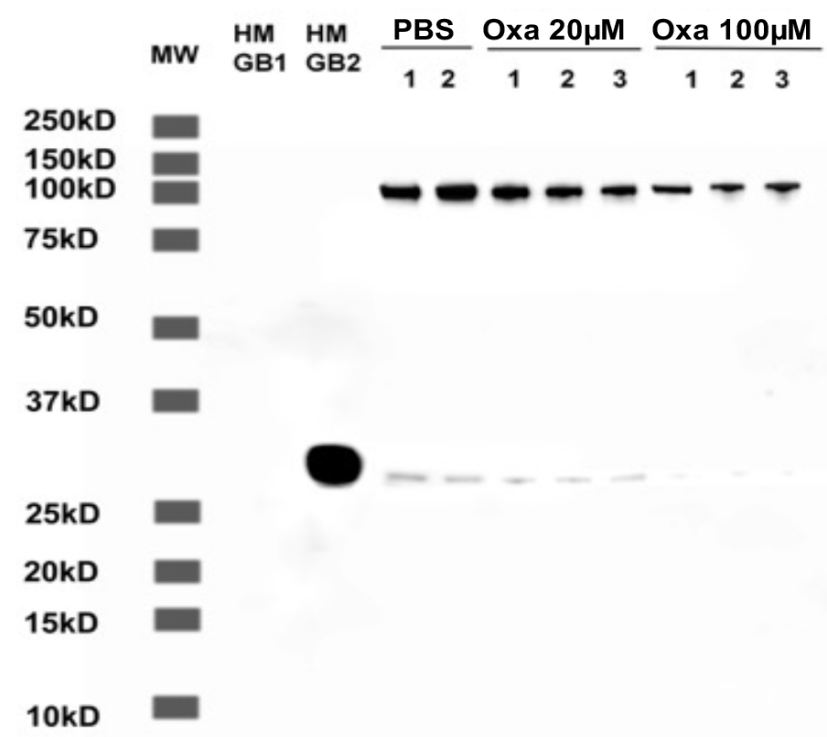


Figure 4a								
hct116-NUC								
H4		HMGB1						
Treatment	H4 Gray value	Treatment	HMGB1 Gray value	HMGB1/ H4	PBS average	% PBS	Mean % PBS	SD
RE-HMGB1	0.0	RE-HMGB1	13279.5					
RE-HMGB2	0.0	RE-HMGB2	0.0					
PBS1	9463.1	PBS1	10141.0	1.072		104.6%		
PBS2	11438.7	PBS2	11173.1	0.977	1.024	95.4%	100.0%	
oxa20uM1	15689.4	oxa20uM1	9827.0	0.626		61.2%		
oxa20uM2	14235.3	oxa20uM2	5809.8	0.408		39.8%		
oxa20uM3	11062.9	oxa20uM3	3917.3	0.354		34.6%	45.2%	14.1%
oxa100uM1	9363.3	oxa100uM1	1707.2	0.182		17.8%		
oxa100uM2	16684.7	oxa100uM2	1950.8	0.117		11.4%		
oxa100uM3	9542.9	oxa100uM3	2031.8	0.213		20.8%	16.7%	4.8%
Figure 4b								
HCT116-cyto								
FASN		HMGB1						
Treatment	H4 Gray value	Treatment	HMGB1 Gray value	HMGB1/ FASN	PBS average	% PBS	Mean % PBS	SD
RE-HMGB1	0	RE-HMGB1	16896.4					
RE-HMGB2	0	RE-HMGB2	0.0					
PBS1	9669.305	PBS1	2822.1	0.292		28.5%		
PBS2	10946.184	PBS2	2178.2	0.199	0.245	19.4%	24.0%	
oxa20uM1	15790.012	oxa20uM1	9852.0	0.624		60.9%		
oxa20uM2	14750.527	oxa20uM2	9908.7	0.672		65.6%		
oxa20uM3	16160.305	oxa20uM3	9812.7	0.607		59.3%	61.9%	3.3%
oxa100uM1	16544.548	oxa100uM1	7870.2	0.476		46.4%		
oxa100uM2	17130.255	oxa100uM2	7519.8	0.439		42.9%		
oxa100uM3	17733.376	oxa100uM3	7934.4	0.447		43.7%	44.3%	1.9%

Figure 4c								
HCT116-NUC								
H4		HMGB2						
Treatment	H4 Gray value	Treatment	HMGB2 Gray value	HMGB2/ H4	PBS average	% PBS	Mean % PBS	SD
RE-HMGB1	0	RE-HMGB1	0.0					
RE-HMGB2	0	RE-HMGB2	17279.8					
PBS1	5351.326	PBS1	7909.0	1.478		82.9%		
PBS2	3815.841	PBS2	7973.3	2.090	1.784	117.1%	100.0%	
oxa20uM1	6517.338	oxa20uM1	4072.4	0.625		35.0%		
oxa20uM2	5382.79	oxa20uM2	3439.4	0.639		35.8%		
oxa20uM3	3540.255	oxa20uM3	2560.5	0.723		40.5%	37.1%	3.0%
oxa100uM1	4128.083	oxa100uM1	865.3	0.210		11.8%		
oxa100uM2	6751.326	oxa100uM2	330.3	0.049		2.7%		
oxa100uM3	4533.122	oxa100uM3	621.7	0.137		7.7%	7.4%	4.5%
Figure 4c								
HCT116-cyto								
FASN		HMGB2						
Treatment	H4 Gray value	Treatment	HMGB2 Gray value	HMGB1/ FASN	PBS average	% PBS	Mean % PBS	SD
RE-HMGB1	0	RE-HMGB1	0.0					
RE-HMGB2	0	RE-HMGB2	0.0					
PBS1	15392.841	PBS1	991.7	0.064		3.6%		
PBS2	18624.255	PBS2	896.1	0.048	0.056	2.7%	3.2%	
oxa20uM1	14979.569	oxa20uM1	362.1	0.024		1.4%		
oxa20uM2	12655.276	oxa20uM2	372.1	0.029		1.6%		
oxa20uM3	10618.79	oxa20uM3	552.4	0.052		2.9%	2.0%	0.8%
oxa100uM1	8303.426	oxa100uM1	311.1	0.037		2.1%		
oxa100uM2	7038.841	oxa100uM2	276.2	0.039		2.2%		
oxa100uM3	8014.669	oxa100uM3	223.2	0.028		1.6%	2.0%	0.3%

Fig a WB

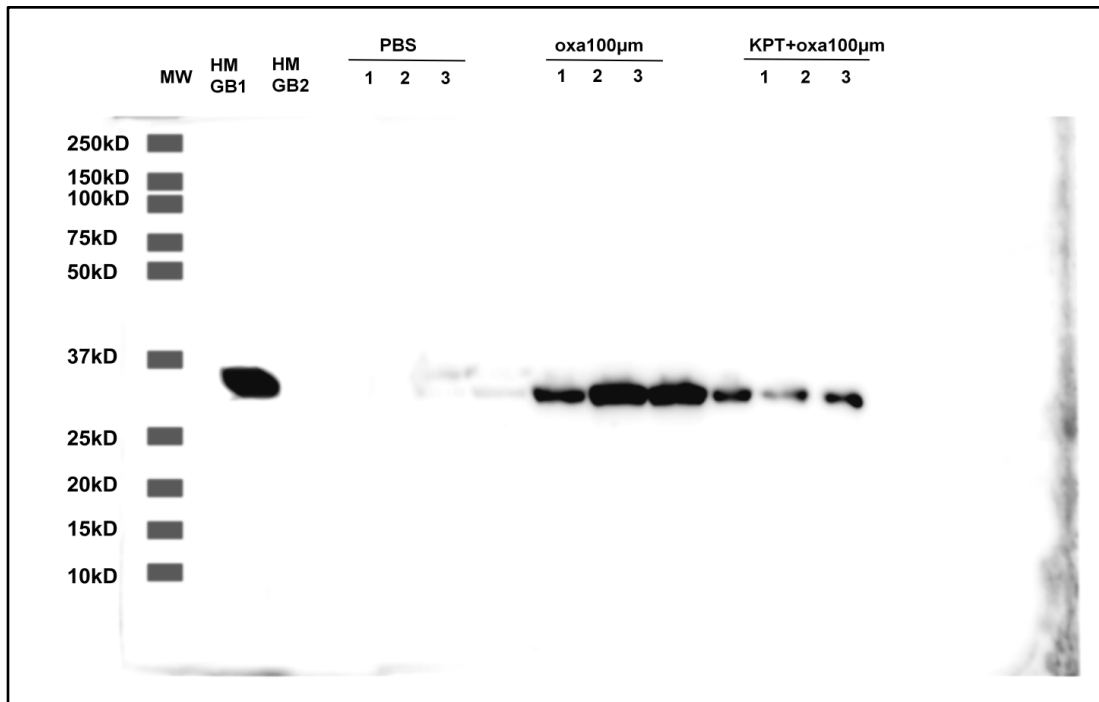


Fig 4b WB

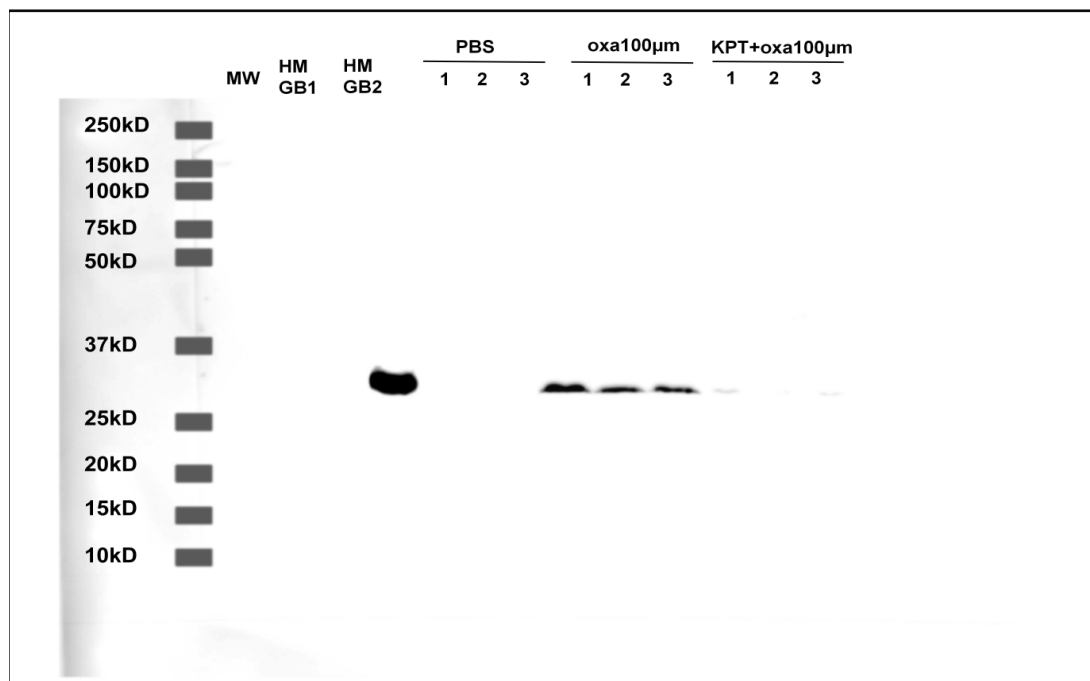


Fig 4c WB

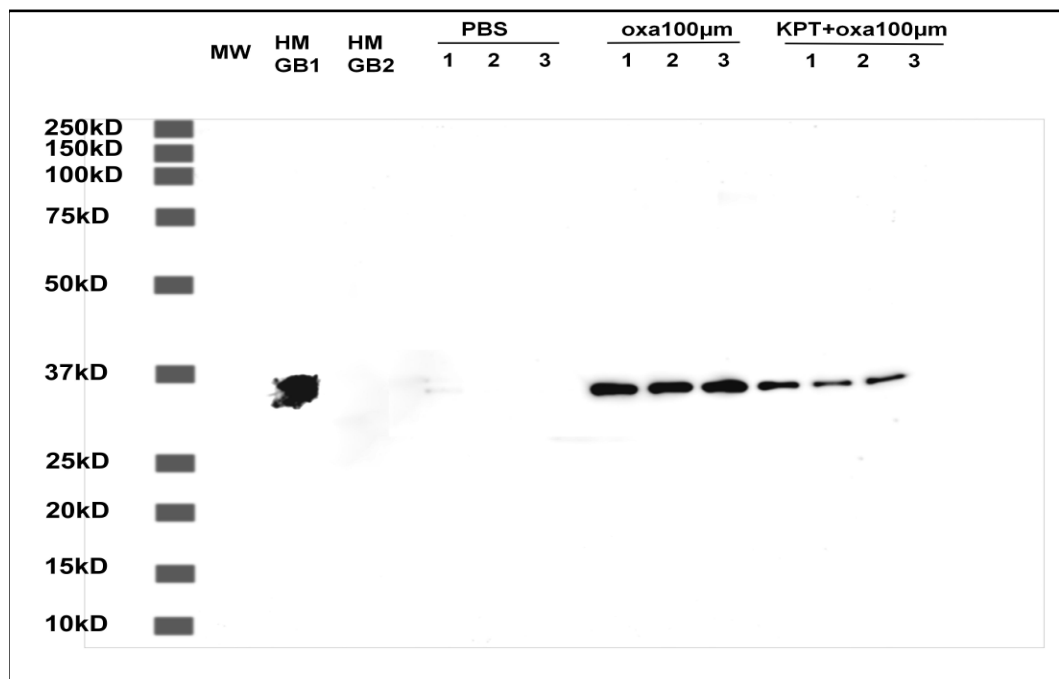


Fig 4d WB

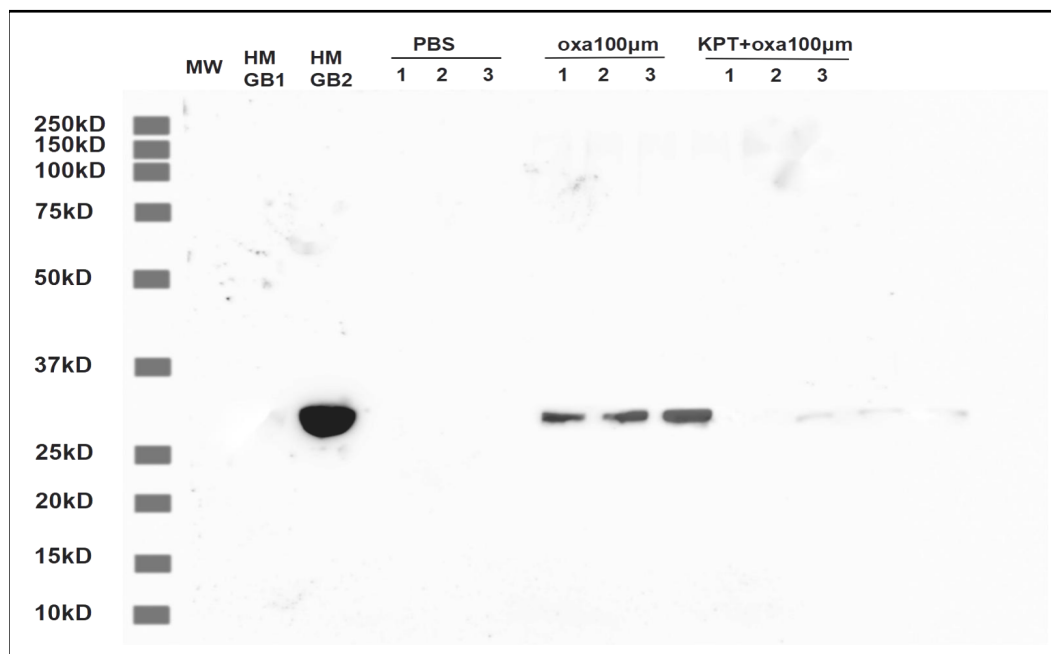


Fig 4e WB

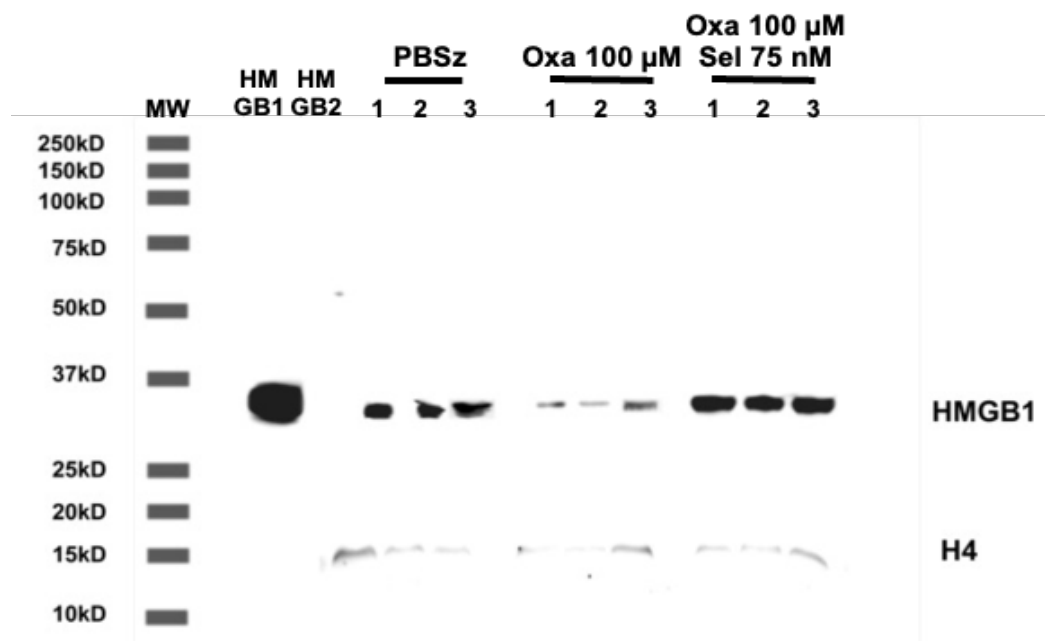


Fig 4f WB

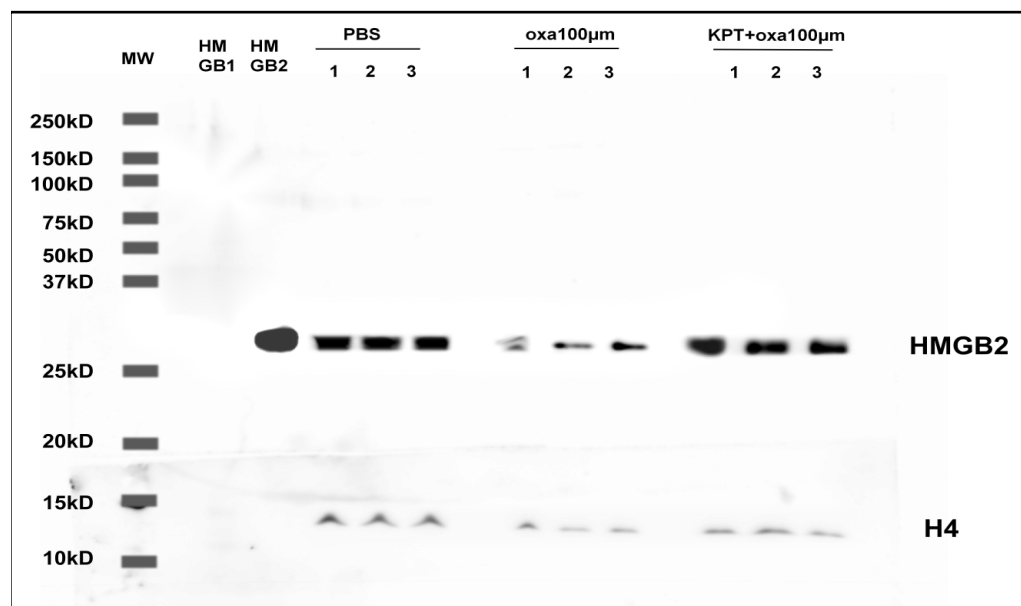


Fig 4g WB

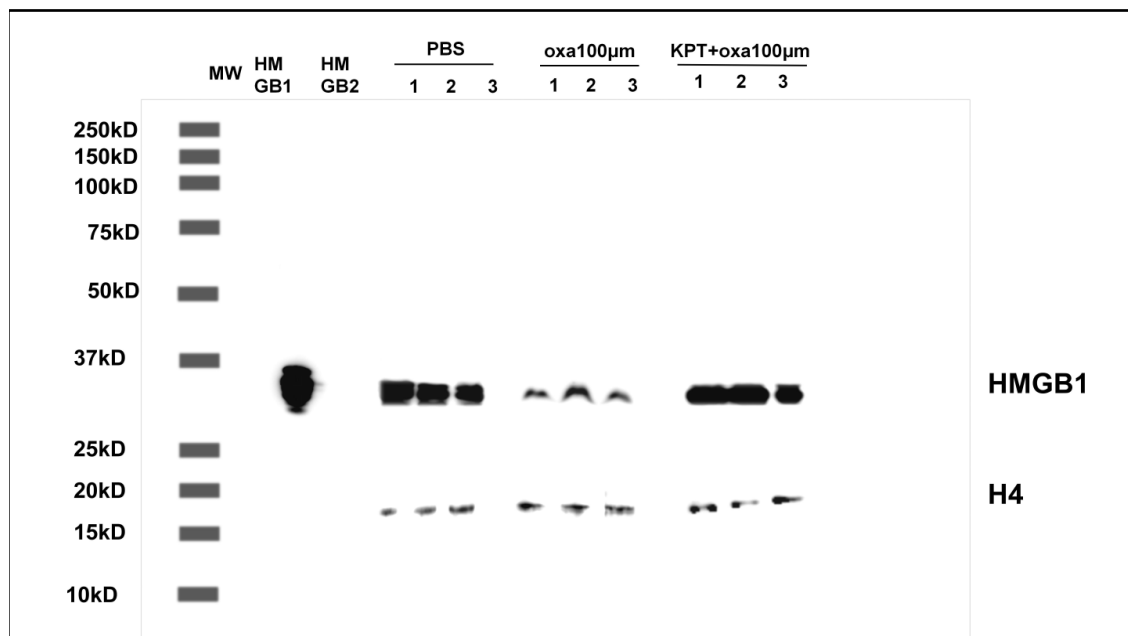


Fig 4h

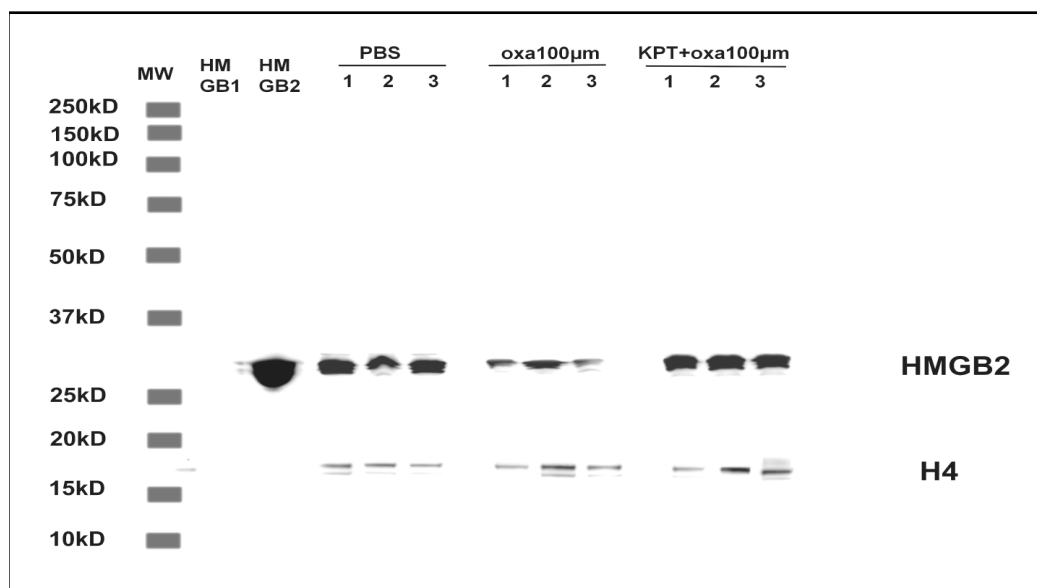


Fig 5a							
A549 media	HMGB1 (Gray)	Mean HMGB1 after 100 uM oxa (Gray)	HMGB1 (%)	Mean	SD (%)	p value	P*
RE-HMGB1	20678.60						
RE-HMGB2	0.00						
PBS1	0.00		0.0%				
PBS2	269.74		2.1%				
PBS3	537.73		4.1%	2.1%	2.1%		
OXA100 uM1	8835.48		67.6%				
OXA100 uM2	15518.82		118.8%				
OXA100 uM3	14846.43	13066.91	113.6%	100.0%	28.2%		
KPT+OXA100 uM + KPT 75 nM 1	5625.70		43.1%				
KPT+OXA100 uM + KPT 75 nM 2	3274.48		25.1%				
KPT+OXA100 uM + KPT 75 nM 3	4879.06		37.3%	35.2%	9.2%	0.0193	*
Fig 5b							
A549 media	HMGB2	Mean HMGB2 after 100 uM oxa (Gray)	HMGB2 (%)	Mean	SD (%)	p value	P*
RE-HMGB1	0.00						
RE-HMGB2	13501.18						
PBS1	0.00		0.0%				
PBS2	0.00		0.0%				
PBS3	0.00		0.0%	0.0%	0.0%		
OXA100 uM1	4779.72		137.6%				
OXA100 uM2	2812.36		81.0%				
OXA100 uM3	2829.18	3473.75	81.4%	100.0%	32.6%		
KPT+OXA100 uM + KPT 75 nM 1	145.61		4.2%				
KPT+OXA100 uM + KPT 75 nM 2	0.00		0.0%				
KPT+OXA100 uM + KPT 75 nM 3	51.11		1.5%	1.9%	2.1%	0.0065	**

Fig5c							
HCT116 media	HMGB1 (Gray)	Mean HMGB1 after 100 uM oxa (Gray)	HMGB1 (%)	Mean	SD (%)		
RE-HMGB1	10628.06						
RE-HMGB2	0.00						
PBS1	112.33		2.0%				
PBS2	0.00		0.0%				
PBS3	0.00		0.0%	0.7%	1.2%		
OXA100 uM1	5985.60		106.5%				
OXA100 uM2	5264.70		93.6%				
OXA100 uM3	5616.77	5622.36	99.9%	100.0%	6.4%		
KPT+OXA100 uM + KPT 75 nM 1	1997.94		35.5%				
KPT+OXA100 uM + KPT 75 nM 2	1944.82		34.6%				
KPT+OXA100 uM + KPT 75 nM 3	1457.11		25.9%	32.0%	5.3%	0.00010	***
Fig5d							
HCT116 media	HMGB2	Mean HMGB2 after 100 uM oxa (Gray)	HMGB2 (%)	Mean	SD (%)		
RE-HMGB1	173.78						
RE-HMGB2	13339.35						
PBS1	0.00		0.0%				
PBS2	101.23		3.3%				
PBS3	0.00		0.0%	1.1%	1.9%		
OXA100 uM1	2663.65		87.5%				
OXA100 uM2	2693.99		88.5%				
OXA100 uM3	3776.65	3044.76	124.0%	100.0%	20.8%		
KPT+OXA100 uM + KPT 75 nM 1	391.31		12.9%				
KPT+OXA100 uM + KPT 75 nM 2	510.14		16.8%				
KPT+OXA100 uM + KPT 75 nM 3	804.99		26.4%	18.7%	7.0%	0.0030	**
*	<0.05						
**	<0.01						
***	<0.001						
*****	<0.0001						

A549-NUC-HMGB1							
Analyte	Gray	Mean PBS	% PBS	Mean %	SD	p	*
HMGB1	24752.619						
HMGB2	0						
PBS1	4905.163		96.1%				
PBS2	4242.82		83.2%				
PBS3	6157.841	5101.9	120.7%	100.0%	19.1%		
OXA100um1	962.749		18.9%				
OXA100um2	502.971		9.9%				
OXA100um3	1374.527		26.9%	18.6%	8.5%	0.0003	***
KPT+OXAum1	8476.305		166.1%				
KPT+OXAum2	6792.012		133.1%				
KPT+OXAum3	8274.184		162.2%	153.8%	18.0%		
A549 nucleus (HMGB1)	Histone H4 (Gray)	Mean H4 in PBS (Gray)	Histone H4 (%)	Mean	SD (%)	p value	
RE-HMGB1	0.00						
RE-HMGB2	0.00						
PBS1	2068.21		142%				
PBS2	1001.48		69%				
PBS3	1284.94	1451.54	89%	100.0%	38.1%		
OXA100 uM1	1918.53		132%				
OXA100 uM2	1002.87		69%				
OXA100 uM3	2453.48		169%	123.4%	50.5%	NS	
KPT+OXA100 uM + KPT	1581.70		109%				
KPT+OXA100 uM + KPT	1305.48		90%				
KPT+OXA100 uM + KPT	2345.89		162%	120.2%	37.1%	NS	

Figure 5f							
A549-NUC-HMGB2							
Analyte	Gray	Mean PBS	% PBS	Mean %	SD	p	*
HMGB1	22303.376						
HMGB2	0						
PBS1	13136.87		102.4%				
PBS2	13188.355		102.8%				
PBS3	12176.163	12833.8	94.9%	100.0%	4.4%		
OXA100um1	3501.184		27.3%				
OXA100um2	4153.426		32.4%				
OXA100um3	6112.134		47.6%	35.8%	10.6%	0.0042	**
KPT+OXAug1	10287.912		80.2%				
KPT+OXAug2	13041.548		101.6%				
KPT+OXAug3	10747.012		83.7%	88.5%	11.5%		
A549 nucleus (HMGB2)	Histone H4 (Gray)	Mean H4 in PBS (Gray)	Histone H4 (%)	Mean	SD (%)	p value	p value*
RE-HMGB1							
RE-HMGB2	0						
PBS1	8896.669		93.3%				
PBS2	9802.497		102.8%				
PBS3	9912.497	9537.22	103.9%	100.0%	5.8%		
OXA100 uM1	7942.518		83.3%				
OXA100 uM2	8763.669		91.9%				
OXA100 uM3	9114.74		95.6%	90.2%	6.3%	NS	
KPT+OXA100 uM + K	8488.397		89.0%				
KPT+OXA100 uM + K	9332.447		97.9%				
KPT+OXA100 uM + K	9701.912		101.7%	96.2%	6.5%	NS	

Figure 5g							
HCT116-NUC-HMGB1							
Analyte	Gray	Mean PBS	% PBS	Mean %	SD	p	*
HMGB1	14235.033						
HMGB2	0						
PBS1	7388.627		118.6%				
PBS2	6296.284		101.1%				
PBS3	5001.87	6228.927	80.3%	100.0%	19.2%		
OXA100um1	1342.698		21.6%				
OXA100um2	2406.82		38.6%				
OXA100um3	1256.577		20.2%	26.8%	10.3%	0.0019	**
KPT+OXAum1	7437.284		119.4%				
KPT+OXAum2	7382.456		118.5%				
KPT+OXAum3	5613.627		90.1%	109.3%	16.7%		
HCT116 nucleus (HMGB1)	Histone H4 (Gray)	Mean H4 in PBS (Gray)	Histone H4 (%)	Mean	SD (%)	p value	
RE-HMGB1	0.00						
RE-HMGB2	0.00						
PBS1	7415.31		111%				
PBS2	6769.65		101%				
PBS3	5864.26	6683.07	88%	100.0%	11.7%		
OXA100 uM1	6485.72		97%				
OXA100 uM2	7880.89		118%				
OXA100 uM3	7397.21		111%	108.6%	10.6%	NS	
KPT+OXA100 uM + K	6749.55		101%				
KPT+OXA100 uM + K	7529.70		113%				
KPT+OXA100 uM + K	8087.08		121%	111.6%	10.1%	NS	

Figure 5h							
HCT116-NUC-HMGB2							
Analyte	Gray	Mean PBS	% PBS	Mean %	SD	p	*
HMGB1	0.092						
HMGB2	17634.933						
PBS1	7692.891		119.8%				
PBS2	5190.062		80.9%				
PBS3	6374.82	6419.25767	99.3%	100.0%	19.5%		
OXA100um1	2279.113		35.5%				
OXA100um2	4134.77		64.4%				
OXA100um3	1886.82		29.4%	43.1%	18.7%	0.064	**
KPT+OXAum1	6271.477		97.7%				
KPT+OXAum2	7032.527		109.6%				
KPT+OXAum3	6379.234		99.4%	102.2%	6.4%		
HCT116 nucleus (HMGB2)	Histone H4 (Gray)	Mean H4 in PBS (Gray)	Histone H4 (%)	Mean	SD (%)	p value	p value*
RE-HMGB1							
RE-HMGB2	0						
PBS1	4002.092		85.2%				
PBS2	4212.335		89.7%				
PBS3	5872.87	4695.77	125.1%	100.0%	21.8%		
OXA100 uM1	5077.991		108.1%				
OXA100 uM2	4040.698		86.0%				
OXA100 uM3	3876.113		82.5%	92.2%	13.9%	NS	
KPT+OXA100 uM + K	5759.82		122.7%				
KPT+OXA100 uM + K	4209.113		89.6%				
KPT+OXA100 uM + K	4121.234		87.8%	100.0%	19.6%	NS	
*	<0.05						
**	<0.005						
***	<0.001						
*****	<0.0001						

Fig 6a WB

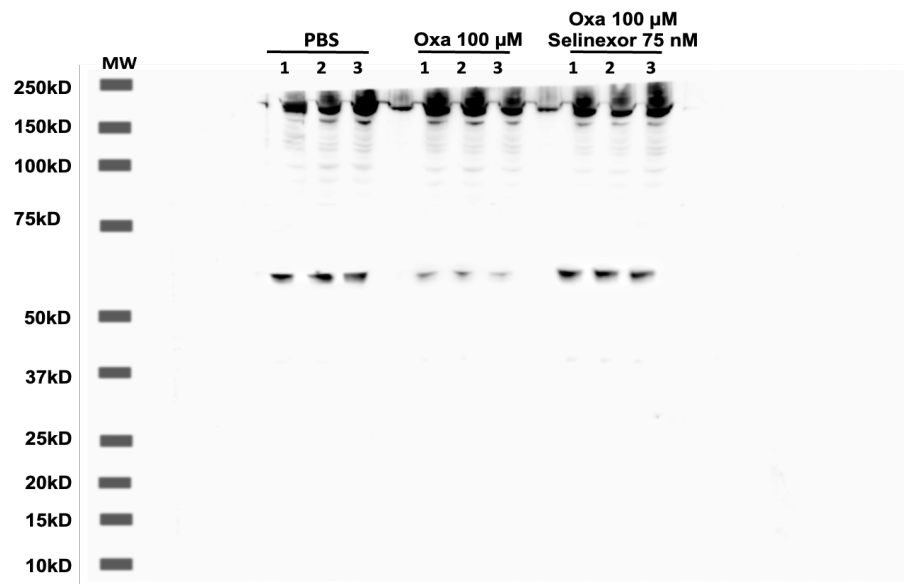


Fig 6b WB

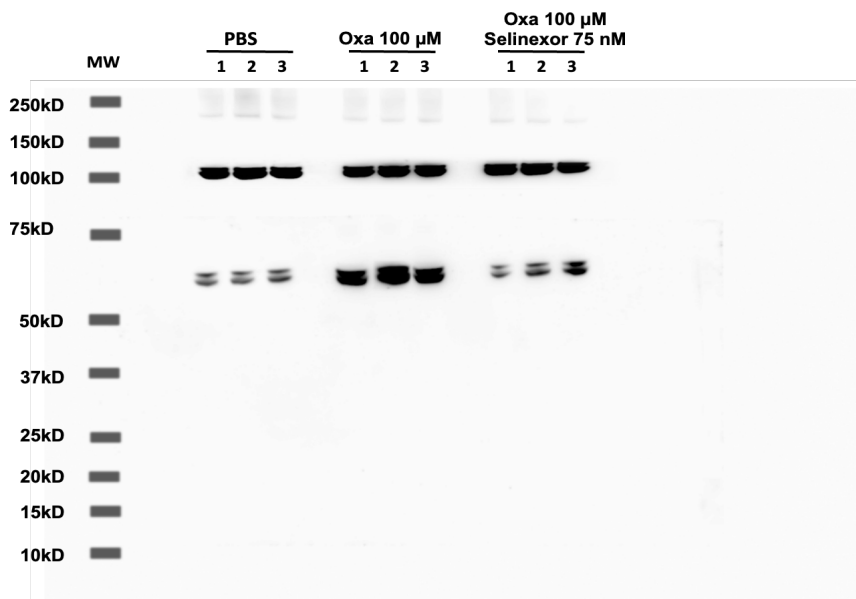


Fig 6c WB

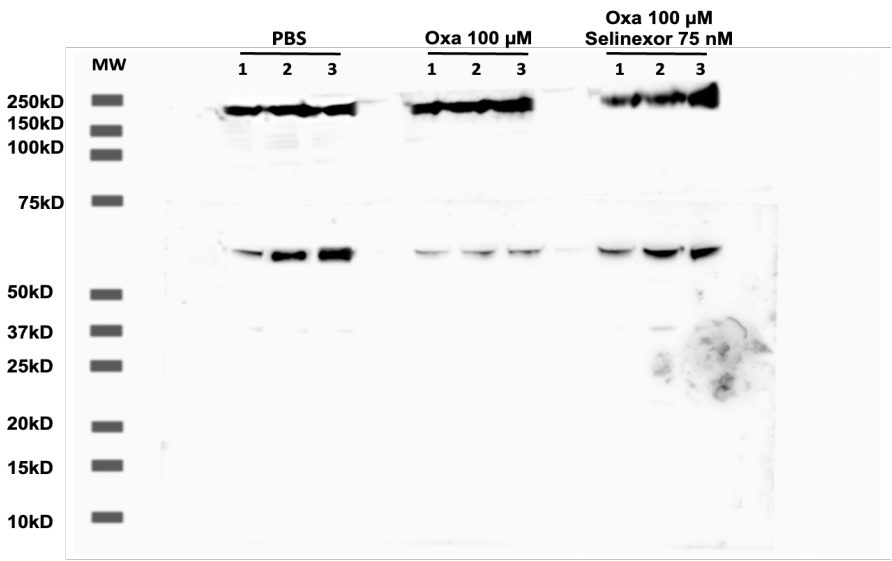


Fig 6d WB

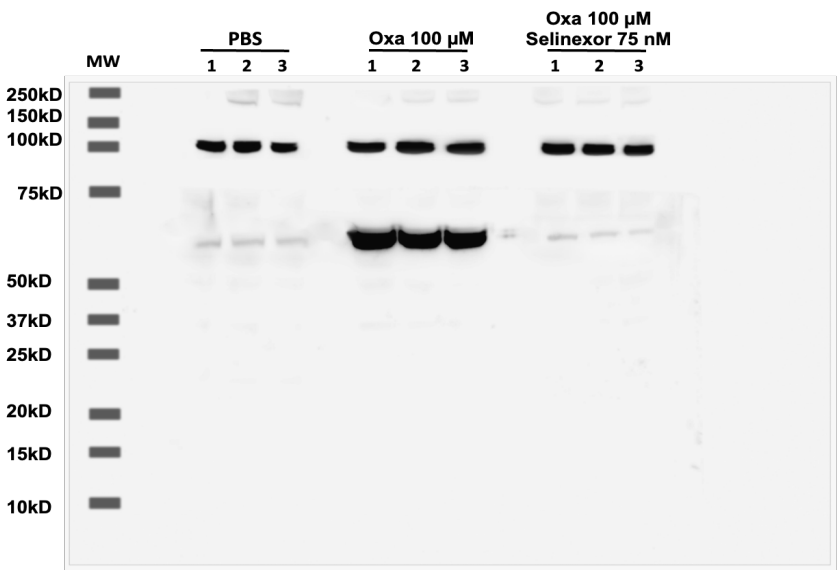


Fig 6a								
A549 cytosol	CRT (Gray)	Mean CRT in PBS (Gray)	CRT (%)	Mean	SD (%)	p value	p value*	
PBS1	8130.9		92%					
PBS2	9325.8		105%					
PBS3	9110.0	8855.6	103%	100.0%	7.2%	0.0012	**	
OXA100 uM1	4580.0		52%					
OXA100 uM2	3847.6		43%					
OXA100 uM3	2875.6		32%	42.5%	9.7%			
KPT+OXA100 uM + KPT 75 nM 1	9892.8		112%					
KPT+OXA100 uM + KPT 75 nM 2	9121.4		103%					
KPT+OXA100 uM + KPT 75 nM 3	8545.5		96%	103.7%	7.6%	0.0012	**	
A549 cytosol	FASN (Gray)	Mean FASN in PBS (Gray)	Histone H4 (%)	Mean	SD (%)	p value		
PBS1	5280.0		82%					
PBS2	8507.2		133%					
PBS3	5412.9	6400.0	85%	100.0%	28.5%			
OXA100 uM1	7011.0		110%					
OXA100 uM2	8502.1		133%					
OXA100 uM3	9505.7		149%	130.3%	19.6%	NS		
KPT+OXA100 uM + KPT 75 nM 1	6139.5		96%					
KPT+OXA100 uM + KPT 75 nM 2	7809.9		122%					
KPT+OXA100 uM + KPT 75 nM 3	9267.8		145%	120.9%	24.5%	NS		
Fig 6b								
A549 membrane	CRT (Gray)	Mean CRT (Gray)	CRT (%)	Mean	SD (%)	p value	p value*	CRT/ E-cad
PBS1	3416.9		26.4%					
PBS2	3186.5		24.6%					
PBS3	3951.6	3518.4	30.5%	27.2%	3.0%	0.0014	**	0.37
OXA100 uM1	11677.6		90.2%					
OXA100 uM2	15267.3		118.0%					
OXA100 uM3	11873.8	12939.6	91.8%	100.0%	15.6%			1.50
KPT+OXA100 uM + KPT 75 nM 1	5085.6		39.3%					
KPT+OXA100 uM + KPT 75 nM 2	5170.4		40.0%					
KPT+OXA100 uM + KPT 75 nM 3	6513.7	5589.9	50.3%	43.2%	6.2%	0.0042	**	0.61
A549 membrane	E-cadherin (Gray)	Mean E-cadherin in PBS (Gray)	E-cadherin (%)	Mean	SD (%)	p value	p value*	
PBS1	8896.7		93.3%					
PBS2	9802.5		102.8%					
PBS3	9912.5	9537.2	103.9%	100.0%	5.8%			
OXA100 uM1	7942.5		83.3%					
OXA100 uM2	8763.7		91.9%					
OXA100 uM3	9114.7	8607.0	95.6%	90.2%	6.3%	NS		
KPT+OXA100 uM + KPT 75 nM 1	8488.4		89.0%					
KPT+OXA100 uM + KPT 75 nM 2	9332.4		97.9%					
KPT+OXA100 uM + KPT 75 nM 3	9701.9	9174.3	101.7%	96.2%	6.5%	NS		

Fig 6c								
HCT116 cytosol	CRT (Gray)	Mean CRT in PBS (Gray)	CRT (%)	Mean	SD (%)	p value		
PBS1	8428.4		80%					
PBS2	10640.8		101%					
PBS3	12652.3	10573.8	120%	100.0%	20.0%	0.0034	**	
OXA100 uM1	1635.4		15%					
OXA100 uM2	2745.9		26%					
OXA100 uM3	3150.6		30%	23.7%	7.4%			
KPT+OXA100 uM + KPT 75 nM 1	7501.6		71%					
KPT+OXA100 uM + KPT 75 nM 2	10009.7		95%					
KPT+OXA100 uM + KPT 75 nM 3	9389.1		89%	84.8%	12.4%	0.0018	**	
HCT116 cytosol	FASN (Gray)	Mean H4 in PBS (Gray)	Histone H4 (%)	Mean	SD (%)	p value		
PBS1	5280.0		63%					
PBS2	8507.2		102%					
PBS3	5412.9		65%	76.7%	21.9%			
OXA100 uM1	7011.0		84%					
OXA100 uM2	8502.1		102%					
OXA100 uM3	9505.7	8339.6	114%	100.0%	15.1%	NS		
KPT+OXA100 uM + KPT 75 nM 1	6139.5		74%					
KPT+OXA100 uM + KPT 75 nM 2	7809.9		94%					
KPT+OXA100 uM + KPT 75 nM 3	9267.8		111%	92.8%	18.8%	NS		
Fig 6d								
HCT116 membrane	CRT (Gray)	Mean CRT (Gray)	CRT (%)	Mean	SD (%)	p value	p value*	
PBS1	1331.2		8.0%					
PBS2	1238.9		7.5%					
PBS3	1868.8	1479.7	11.3%	8.9%	2.0%	0.0003	***	0.15
OXA100 uM1	19087.7		115.0%					
OXA100 uM2	15163.0		91.3%					
OXA100 uM3	15555.9	16602.2	93.7%	100.0%	13.0%			1.14
KPT+OXA100 uM + KPT 75 nM 1	1490.2		9.0%					
KPT+OXA100 uM + KPT 75 nM 2	1974.8		11.9%					
KPT+OXA100 uM + KPT 75 nM 3	1543.8	1669.6	9.3%	10.1%	1.6%	0.0003	***	0.13
HCT116 membrane	E-cadherin (Gray)	Mean E-cadherin in PBS (Gray)	E-cadherin (%)	Mean	SD (%)	p value	p value*	
PBS1	10795.9		73.9%					
PBS2	11043.9		75.6%					
PBS3	8697.4	10179.1	59.5%	69.7%	8.8%			
OXA100 uM1	13184.8		90.2%					
OXA100 uM2	15579.0		106.6%					
OXA100 uM3	15067.2	14610.3	103.1%	100.0%	8.6%	NS		
KPT+OXA100 uM + KPT 75 nM 1	13506.5		92.4%					
KPT+OXA100 uM + KPT 75 nM 2	12365.1		84.6%					
KPT+OXA100 uM + KPT 75 nM 3	11237.1	12369.6	76.9%	84.7%	7.8%	NS		
*	<0.05		***	<0.001				
**	<0.005		*****	<0.0001				

Fig 8b WB

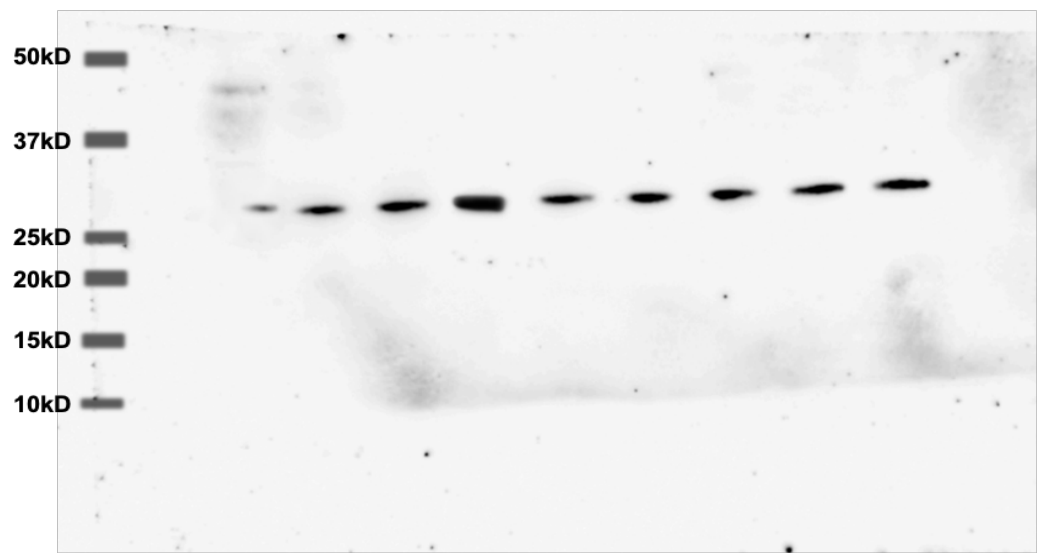
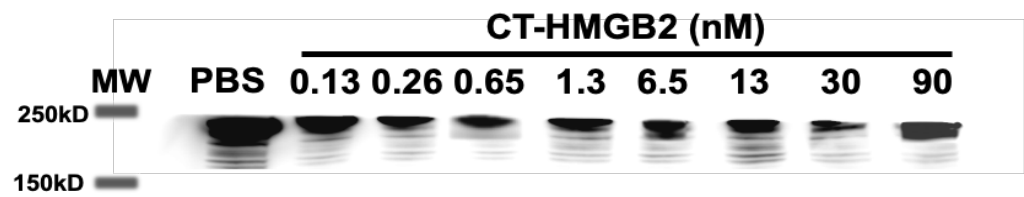
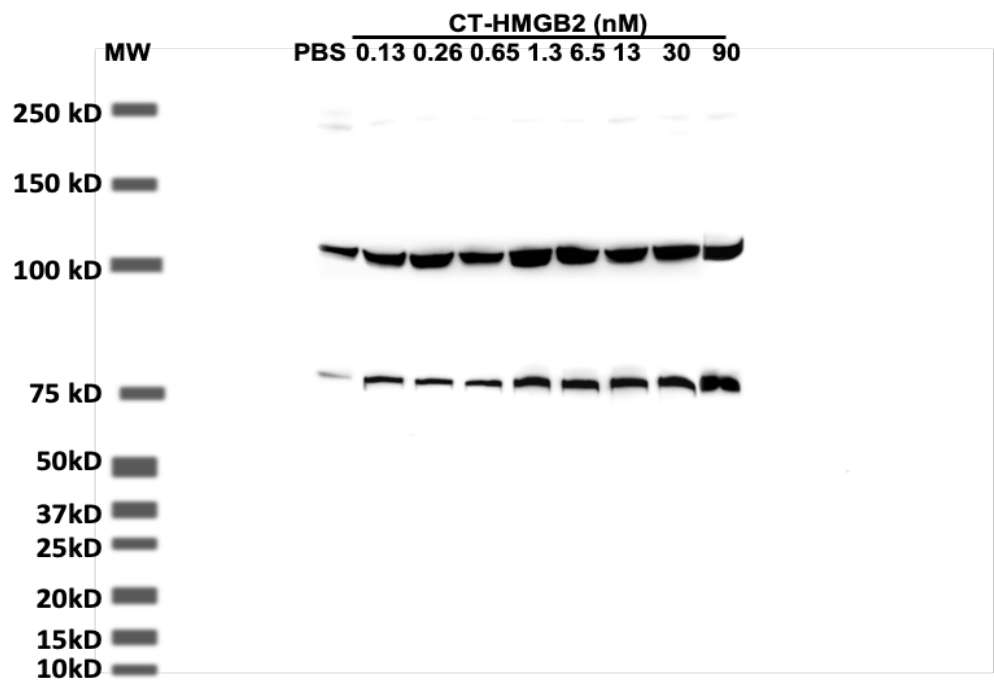


Fig 8c WB



[illegible]

intervention: CP-HMGB2								
Fig 8b								
a549-cyto-hmgb2		a549-cyto-FASN						
intervention: CT-HMGB2		intervention: CT-HMGB2						
Treatment	Gray value	Treatment	Gray value	HMGB2/F ASN	Rel %	CT-HMGB2 {nM}	CT-HMGB2 (M)	Log CT-HMGB2 (M)
PBS	3466.598	PBS	6984.154	0.496				
130pM	7470.841	130pM	7651.79	0.976	0.0%	0.130	1.30E-11	-9.886
260pM	9515.205	260pM	6881.134	1.383	26.6%	0.260	2.60E-11	-9.585
650pM	9827.477	650pM	6421.205	1.530	36.3%	0.650	6.50E-10	-9.187
1.3nM	10647.669	1.3nM	6586.497	1.617	41.9%	1.300	1.30E-09	-8.886
6.5 nM	11308.012	6.5 nM	6815.841	1.659	44.7%	6.500	6.50E-09	-8.187
13 nM	12562.305	13 nM	7013.497	1.791	53.3%	13.000	1.30E-08	-7.886
30 nM	13255.012	30 nM	5405.376	2.452	96.6%	30.000	3.00E-08	-7.523
90 nM	13168.841	90 nM	5257.719	2.505	100.0%	90.000	9.00E-08	-7.046
Fig 8c								
A549-mem-crt		A549-mem-E-						
intervention: CT-HMGB2		intervention: CT-HMGB2						
Treatment	Gray value	Treatment	Gray value	CRT/E-cadherin	%	CT-HMGB2 {nM}	CT-HMGB2 (M)	Log CT-HMGB2 (M)
PBS	1688.648	PBS	13053.79	0.129				
130pM	5379.184	130pM	12981.012	0.414	0.0%	0.130	1.30E-11	-9.886
260pM	6796.355	260pM	13112.719	0.518	9.5%	0.260	2.60E-11	-9.585
650pM	8792.477	650pM	14577.79	0.603	17.3%	0.650	6.50E-10	-9.187
1.3nM	10234.426	1.3nM	15168.255	0.675	23.8%	1.300	1.30E-09	-8.886
6.5 nM	10717.426	6.5 nM	14246.79	0.752	31.0%	6.500	6.50E-09	-8.187
13 nM	11464.376	13 nM	13789.841	0.831	38.2%	13.000	1.30E-08	-7.886
30 nM	15690.841	30 nM	13415.669	1.170	69.2%	30.000	3.00E-08	-7.523
90 nM	20269.376	90 nM	13458.305	1.506	100.0%	90.000	9.00E-08	-7.046
Fig 8d								
IP	A549	CRT						
Treatment	Gray value	Mean CT-HMGB2	Mean	Mean Rel %				
PBS 1	141.192		0.9%					
PBS 2	588.506		3.9%	2.4%				
RE-HMGB1-1	332.556		2.2%					
RE-HMGB1-2	533.385		3.5%	2.9%				
OXA 1	16008.719		106.1%					
OXA 2	12422.841		82.3%	94.2%				
CT-HMGB2-1	15585.962		103.3%					
CT-HMGB2-1	14588.841	15087.4015	96.7%	100.0%				
RE-HMGB2-1	8173.305		54.2%					
RE-HMGB2-2	5583.012		37.0%	45.6%				

Fig 9a WB

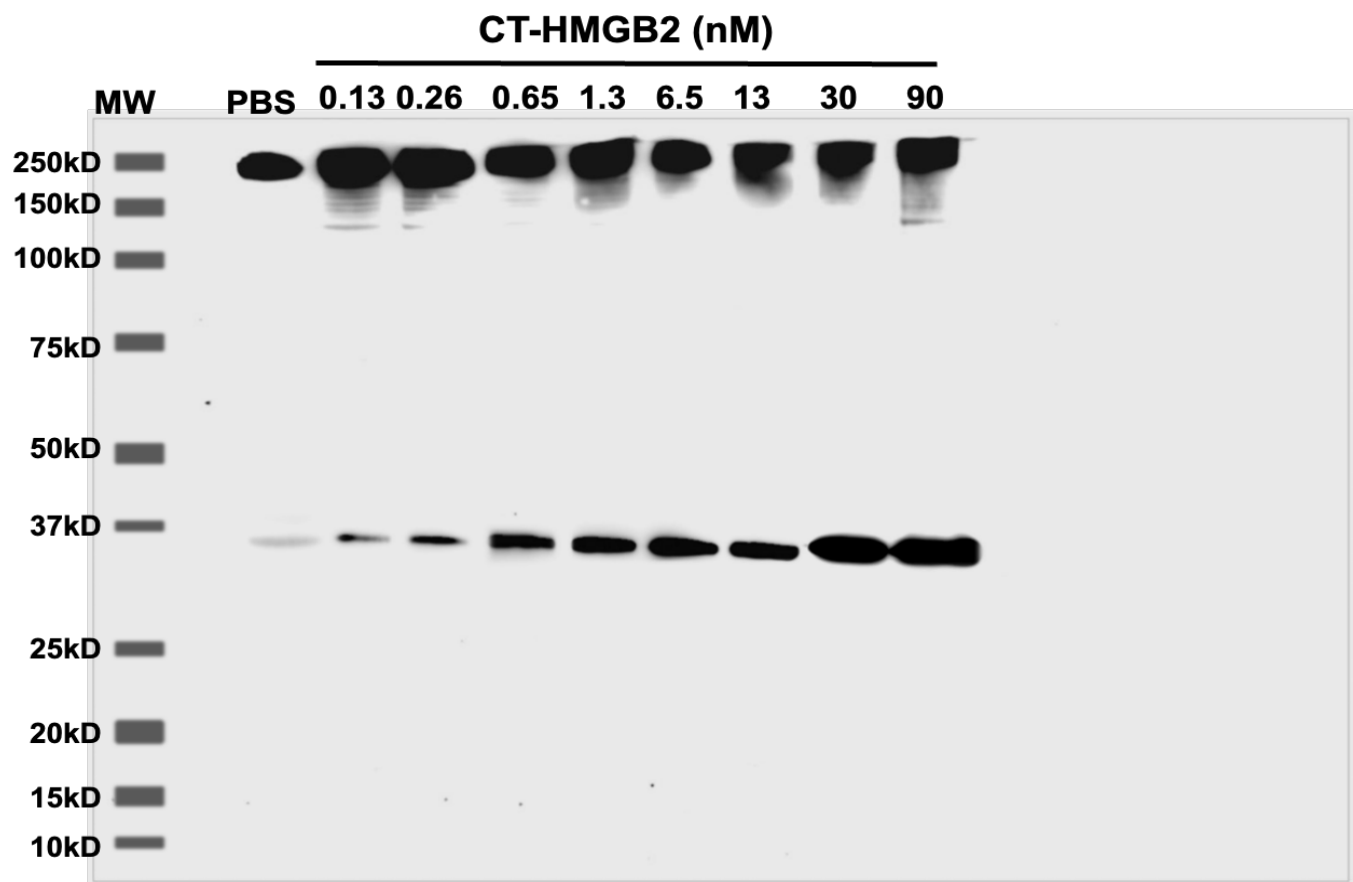
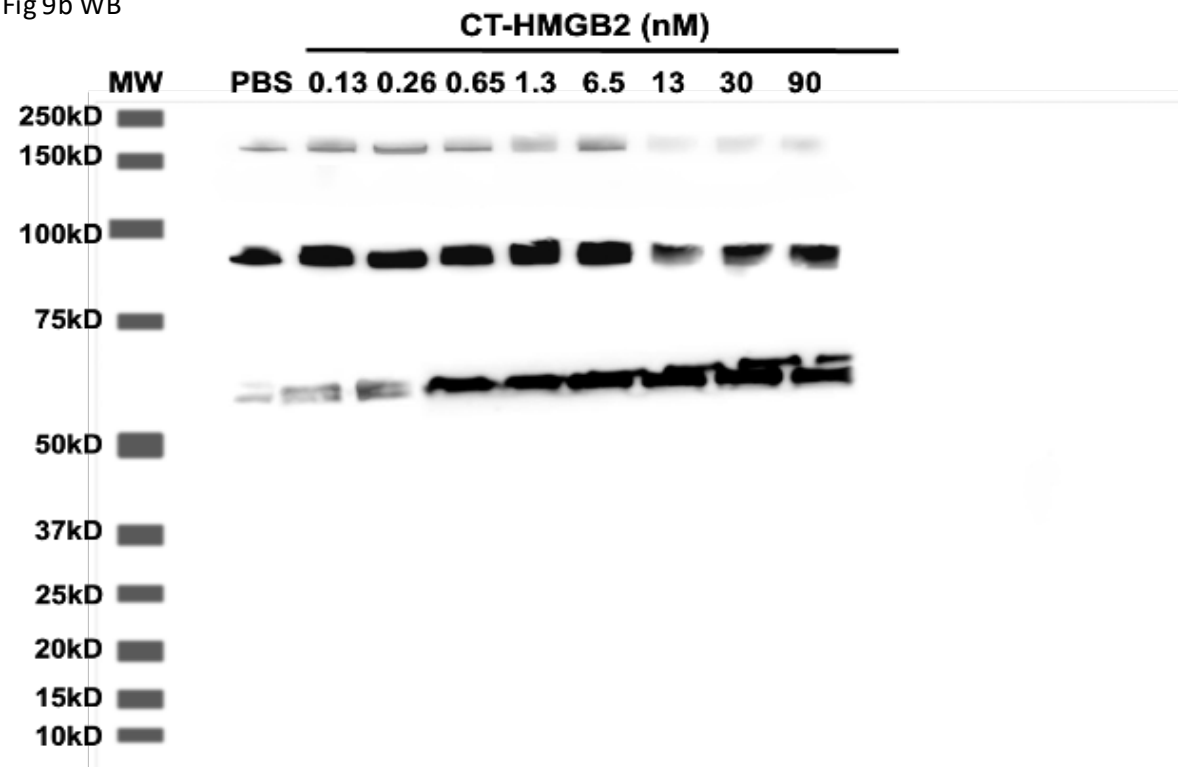
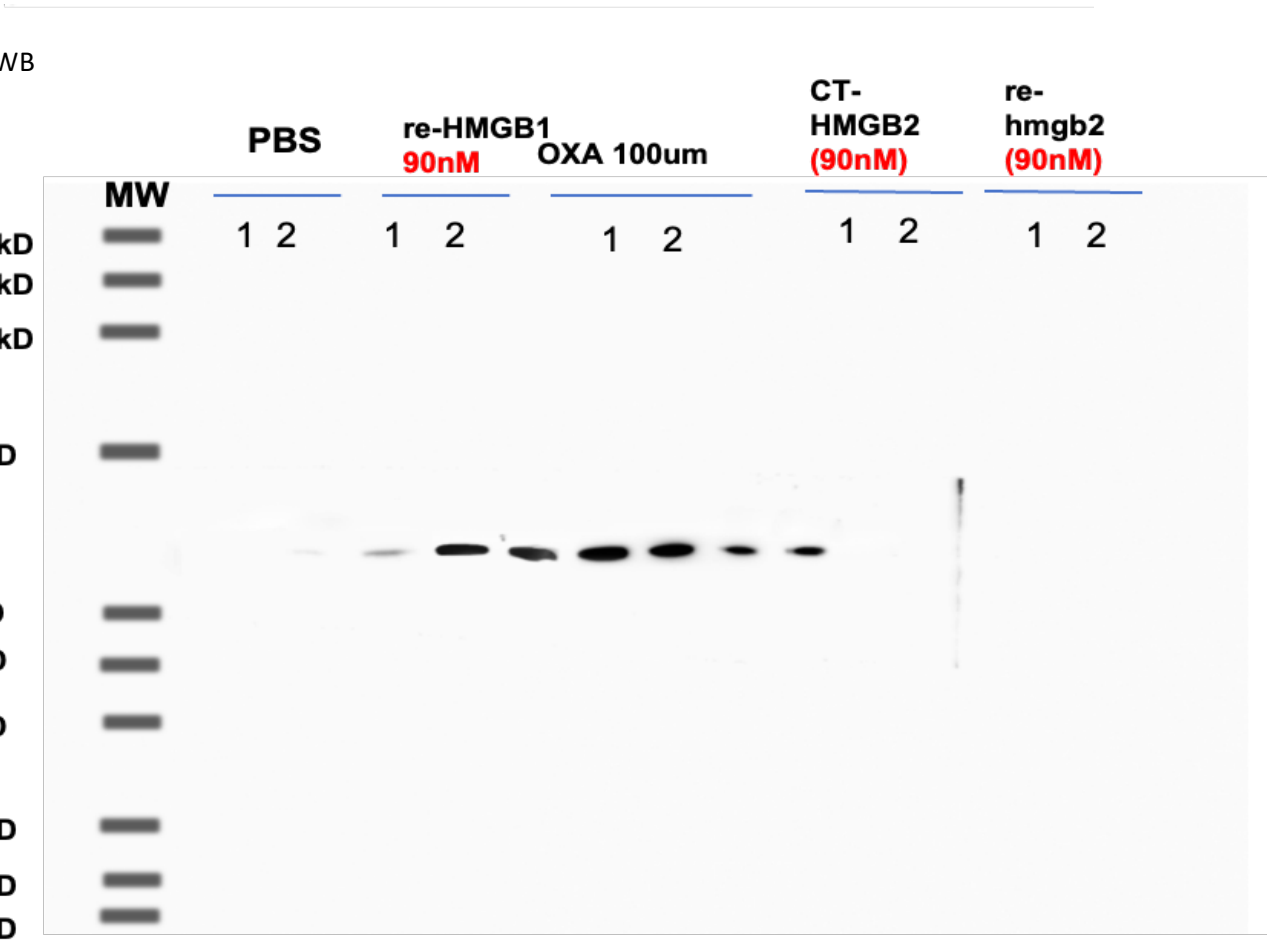


Fig 9b WB



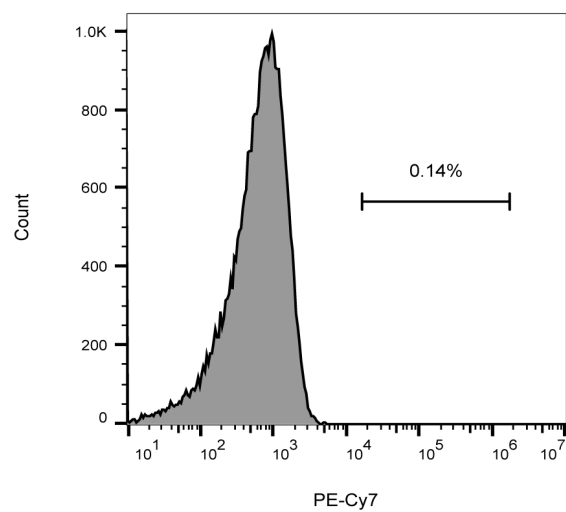
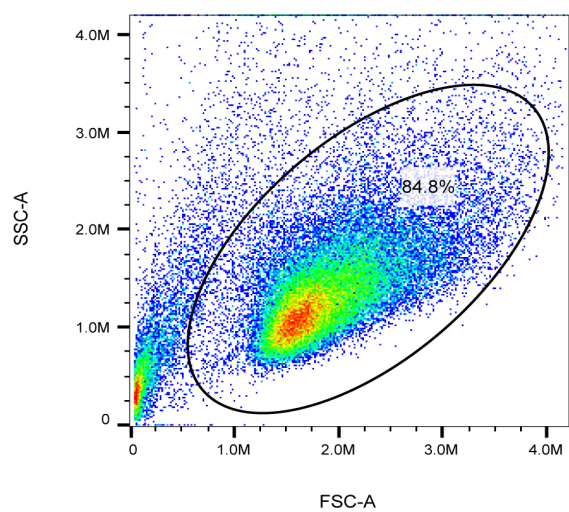


intervention: C								
Figure 9a								
HCT116-cyto-HMGB2		HCT116-cyto-FASN						
Treatment	Gray value	Treatment	Gray value	HMGB2/ FASN	%	CT-HMGB2 {nM}	CT-HMGB2 (M)	Log CT- HMGB2 (M)
PBS	1201.2	PBS	15599.8					
130pM	3010.8	130pM	22366.0	0.13	0.0%	0.13	1.30E-11	-9.886
260pM	5057.4	260pM	23808.4	0.21	5.8%	0.26	2.60E-11	-9.585
650pM	12065.6	650pM	17836.2	0.68	40.5%	0.65	6.50E-10	-9.187
1.3nM	12879.0	1.3nM	21779.4	0.59	34.1%	1.30	1.30E-09	-8.886
6.5 nM	15306.2	6.5 nM	15769.8	0.97	62.5%	6.50	6.50E-09	-8.187
13 nM	16738.1	13 nM	17776.1	0.94	60.3%	13.00	1.30E-08	-7.886
30 nM	22858.8	30 nM	16877.8	1.35	91.2%	30.00	3.00E-08	-7.523
90 nM	27619.8	90 nM	18759.2	1.47	100.0%	90.00	9.00E-08	-7.046
Figure 9b								
HCT116-mem-CRT		HCT116-mem-E- cadherin						
Treatment	Gray value	Treatment	Gray value	CRT/ E-Cad	%	CT-HMGB2 {nM}	CT-HMGB2 (M)	Log CT- HMGB2 (M)
PBS	974.0	PBS	13538.3	0.07				
130pM	920.0	130pM	15096.2	0.06	0.0%	0.13	1.30E-11	-9.886
260pM	1088.8	260pM	14649.1	0.07	0.6%	0.26	2.60E-11	-9.585
650pM	13716.3	650pM	14085.8	0.97	40.8%	0.65	6.50E-10	-9.187
1.3nM	12400.2	1.3nM	15455.7	0.80	33.1%	1.30	1.30E-09	-8.886
6.5 nM	15733.0	6.5 nM	16652.2	0.94	39.5%	6.50	6.50E-09	-8.187
13 nM	16731.0	13 nM	9948.1	1.68	72.5%	13.00	1.30E-08	-7.886
30 nM	21347.2	30 nM	10182.0	2.10	91.0%	30.00	3.00E-08	-7.523
90 nM	26927.3	90 nM	11721.0	2.30	100.0%	90.00	9.00E-08	-7.046
Figure 9c								
HCT116 IP CRT								
Treatment	Gray value	Mean	Mean rel %					
PBS 1	10.254							
PBS 2	16.441	13.3475	0.1%					
R-HMGB1-1 (90	396.435							
R-HMGB1-2	471.305	433.87	2.9%					
OXA 1 (100 uM)	9961.841							
OXA 2	9697.79	9829.8155	66.6%					
CT-HMGB2-1 (90	15170.326							
CT-HMGB2-1	14336.619	14753.4725	100.0%					
R-HMGB2-1 (90	6176.134							
R-HMGB2-2	5704.669	5940.4015	41.4%					

Figure 9e							
HCT116							
	total cell						
	PBS	DMSO 0.1%	OXA 100uM	KPT330 75nM	fer-1 10uM	fer-1 10uM+ OXA 100uM	KPT330 75nM+OXA100uM
	12600000	16900000	16700000	18800000	17100000	19000000	15500000
	17800000	18100000	20800000	16600000	13900000	17200000	13300000
	15900000	19800000	18900000	20100000	15000000	12400000	14300000
	18700000	21000000	13100000	17500000	23500000	14200000	18600000
	15700000	13700000	16300000	13100000	19300000	18900000	17600000
	cell viability %						
	PBS	DMSO 0.1%	OXA 100uM	KPT330 75nM	fer-1 10uM	fer-1 10uM+ OXA 100uM	KPT330 75nM+OXA100uM
	95.4	94.8	69.8	94.7	92.1	75.8	81.6
	94.6	93.4	61.7	92.9	94.7	71.5	83.5
	96.9	95.1	65.8	93.8	94.3	78.6	82.8
	97.8	96.7	68.3	93.4	95.5	73.3	84.2
	93.4	92.7	62.4	96.0	91.4	76.8	80.8
	dead cell						
	PBS	DMSO 0.1%	OXA 100uM	KPT330 75nM	fer-1 10uM	fer-1 10uM+ OXA 100uM	KPT330 75nM+OXA100uM
	579600	878800	5043400	996400	1350900	4598000	2852000
	961200	1194600	7966400	1178600	736700	4902000	2194500
	492900	970200	6463800	1246200	855000	2653600	2459600
	411400	693000	4152700	1155000	1057500	3791400	2938800
	1036200	1000100	6128800	524000	1659800	4384800	3379200
	dead cell %						
	PBS	DMSO 0.1%	OXA 100uM	KPT330 75nM	fer-1 10uM	fer-1 10uM+ OXA 100uM	KPT330 75nM+OXA100uM
	4.6%	5.2%	30.2%	5.3%	7.9%	24.2%	18.4%
	5.4%	6.6%	38.3%	7.1%	5.3%	28.5%	16.5%
	3.1%	4.9%	34.2%	6.2%	5.7%	21.4%	17.2%
	2.2%	3.3%	31.7%	6.6%	4.5%	26.7%	15.8%
	6.6%	7.3%	37.6%	4.0%	8.6%	23.2%	19.2%
Mean	4.4%	5.5%	34.4%	5.8%	6.4%	24.8%	17.4%
SD	1.8%	1.6%	3.6%	1.2%	1.8%	2.8%	1.4%
P-value						0.0015	<0.0001
*						**	****

Flow cytometry schematics

Bue gating



Red gating

