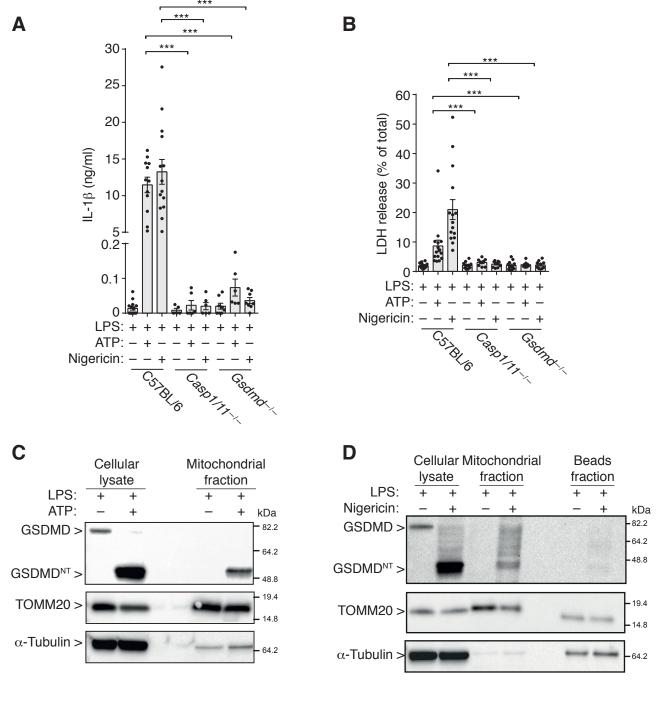
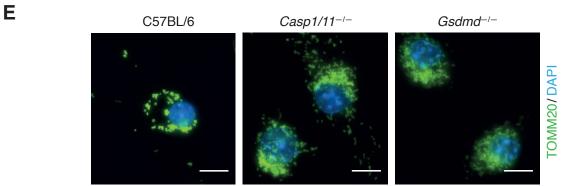
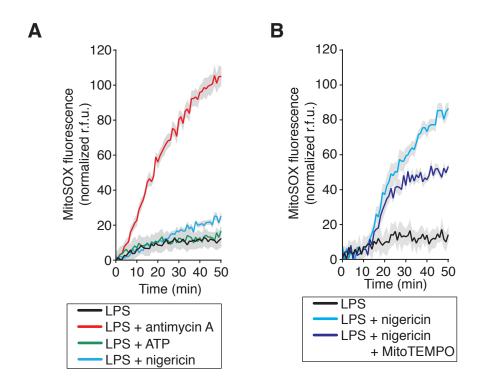
1		Supplementary Figure Legends for:
2		
3	Ga	sdermin induces the release of mitochondrial DNA during pyroptosis and
4		apoptosis
5		
6		de Torre-Minguela et al.
7		
8	Sup	plementary Figure S1. GSDMD activation mediates macrophage pyroptosis and
9	mito	ochondrial damage
10	A,B	Different genotypes of macrophages (as indicated) were primed for 4 h with LPS (10 ng/ml) and
11		then stimulated during 20 min with ATP (3 mM) or nigericin (5 μ M), and IL-1 β (A) or LDH (B)
12		were detected in the cell-free supernatants.
13	С	Immunoblot for TOMM20, GSDMD and $\alpha\text{-tubulin}$ in cell lysates and mitochondria fraction
14		obtained from wild type macrophages primed and activated as in A. Mitochondrial fraction was
15		isolated with ultracentrifugation.
16	D	Immunoblot for TOMM20, GSDMD and $\alpha\text{-tubulin}$ in cell lysates and mitochondria fraction
17		obtained from wild type macrophages primed as in A and then stimulated with nigericin (10 μ M).
18		Mitochondrial fraction was isolated with an antibody-based kit.
19	Е	Different genotypes of macrophages (as indicated) were primed and activated as in A. Maximum
20		intensity projections of z-stack images of macrophages stained with TOMM20 antibodies (green)
21		and DAPI (blue) are shown. Scale bar represents 8 μm .
22		
23	Data	a information: Data from panel A and B are means ± SEM from at least ten independent
24	expe	eriments. Statistical analyses were performed using non-parametric Mann–Whitney t-tests. Data
25	were	e considered significant when ***P < 0.001. Immunoblots of panels C and D are from $n=1$
26	inde	pendent experiment. Microscopy images of panel E are representative of three independent
27	expe	eriments.

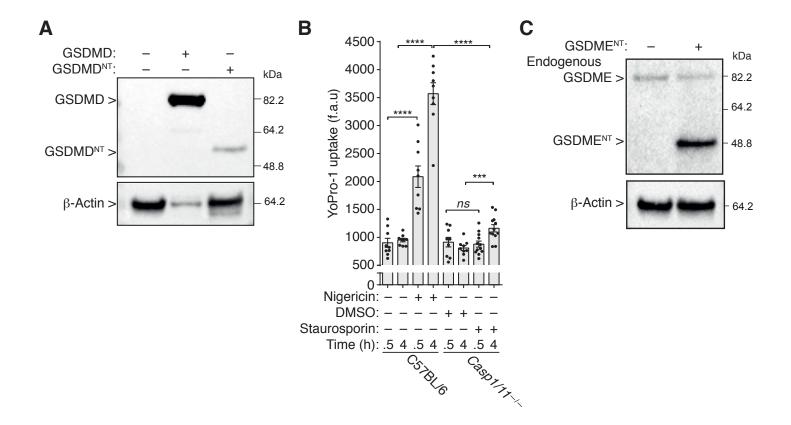
29	Supplementary Figure S2. MitoTEMPO partially blocks MitoSOX fluorescence		
30	Α	Kinetic of MitoSOX fluorescence of unprimed wild type macrophages stimulated with ATP (3	
31		mM), nigericin (5 μ M) or antimycin A (10 μ M).	
32	В	Kinetic of MitoSOX fluorescence of macrophages primed for 4 h with LPS (10 ng/ml) and then	
33		stimulated with nigericin (5 μ M) in presence or absence of MitoTEMPO (250 mM). Cells treated	
34		with inhibitors were incubated 10 min before and during stimulation of the cells.	
35			
36	Data	information: Data are means ± SEM from at least three independent experiments.	
37			
38	Sup	olementary Figure S3. GSDMD ^{NT} and GSDME ^{NT} expression	
39	Α	Immunoblot for Flag (GSDMD and GSDMD $^{\text{NT}}$) and β -Actin in cell lysates of HEK293T	
40		transfected for 12 h with a plasmid encoding human GSDMD or human GSDMD ^{NT} (1-275).	
41	В	YoPro-1 uptake of wild type macrophages primed for 4 h with LPS (10 ng/ml) and stimulated	
42		with nigericin (10 μ M), or Casp1/11 ^{-/-} macrophages treated with DMSO or staurosporin (1 μ M).	
43		Measurement of YoPro-1 fluorescence were performed at the indicated times.	
44	С	Immunoblot for GSDME and $\beta\text{-Actin}$ in cell lysates of HEK293T transfected for 12 h with a	
45		plasmid encoding for human GSDME ^{NT} (1-270) or with a control empty vector (pcDNA).	
46	Data	information: Immunoblots of panels A and C are representative of three independent	
47	expe	riments. Data of panel B are means ± SEM from three-four independent experiments in	
48	triplio	cates. Statistical analyses were performed using non-parametric Mann-Whitney t-tests. Data	
49	were	considered significant when ***P < 0.001 or ****P < 0.0001	
50			
51	Sup	olementary Figure S4. Digitonin induce plasma membrane permeabilization and	
52	mito	chondrial network fragmentation	
53	Α	Kinetic of MitoSOX fluorescence and YoPro-1 uptake in wild type macrophages primed for 4 h	
54		with LPS (10 ng/ml) and then treated with digitonin (50 μg/ml) when indicate by the arrow	

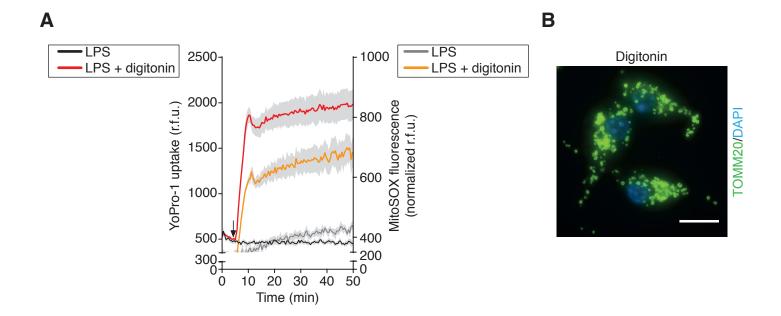
55	В	Maximum intensity projections of z-stack images of wild type macrophages treated as in A and	
56		stained with TOMM20 antibodies (green) and DAPI (blue). Scale bar represents 10 $\mu m.$	
57			
58	Data information: Data in panel A are means ± SEM from three independent experiments. Microscopy		
59	image of panel B is representative of three independent experiments.		
60			
61	Supp	lementary Figure S5. Uncropped immunoblots of Figure 1A	
62			
63	Supp	lementary Figure S6. Uncropped immunoblots of Figure 1B	
64			
65	Supp	lementary Figure S7. Uncropped immunoblots of Figure 1B	
66			
67	Supp	lementary Figure S8. Uncropped immunoblots of Figure 3A	
68			
69	Supp	lementary Figure S9. Uncropped immunoblots of Figure 4A	
70			
71	Supp	lementary Figure S10. Uncropped immunoblots of Figure 5C	
72			
73	Supp	lementary Figure S11. Uncropped immunoblots of Figure 6A	
74			
75	Supp	elementary Figure S12. Uncropped immunoblots of Supplementary Figure S1C and S1D	
76			
77	Supp	elementary Figure S13. Uncropped immunoblots of Supplementary Figure S3A and S3B	



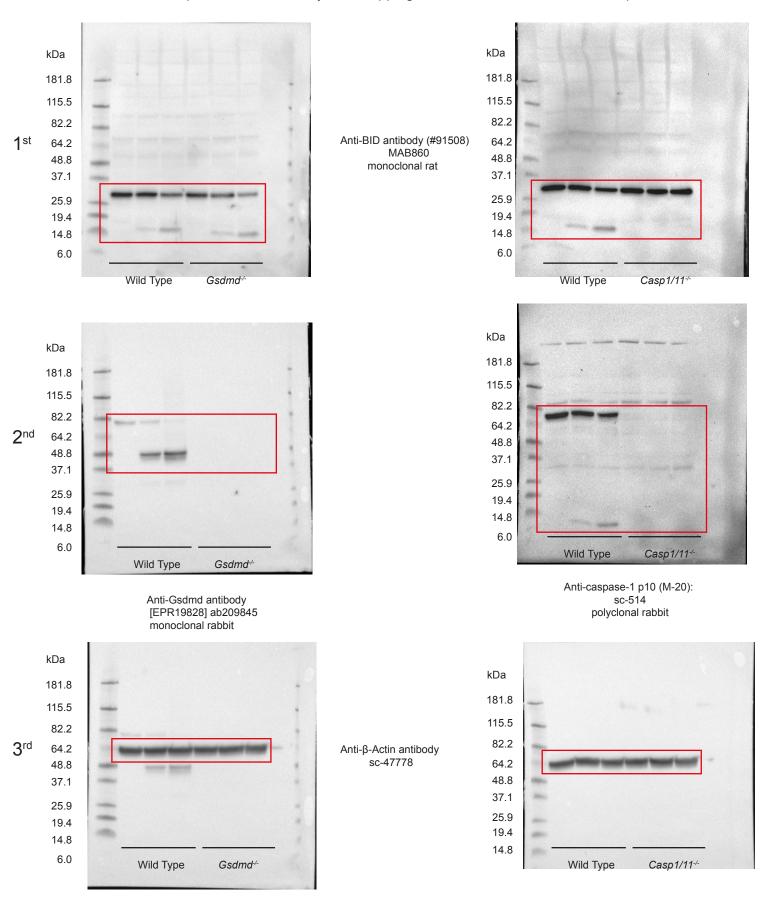




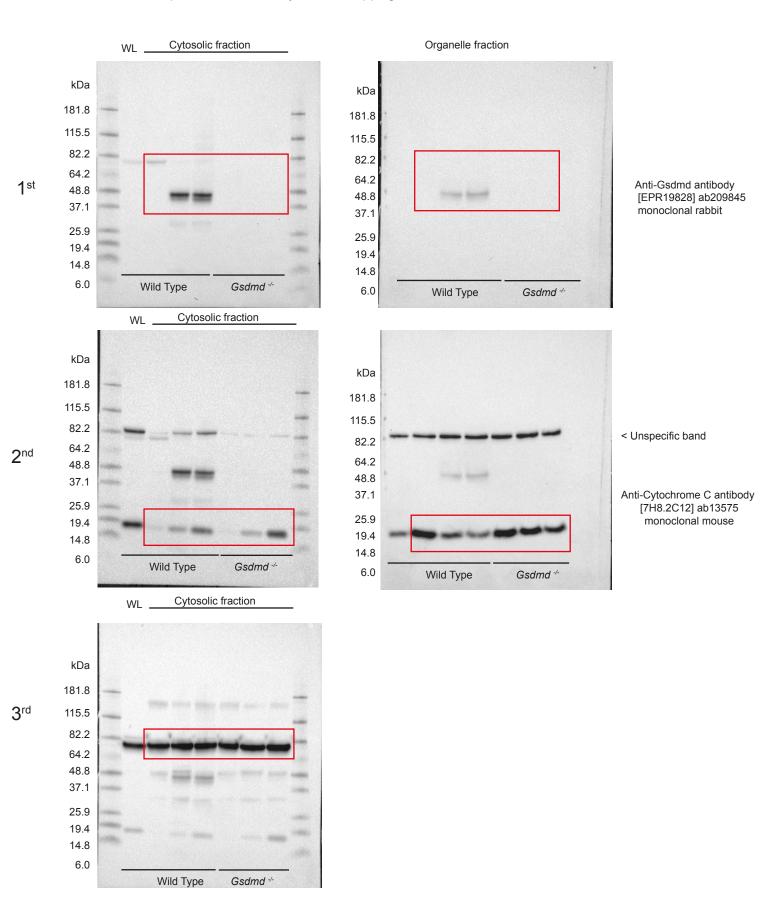




Uncropped membranes Fig 1A Membranes were probed consecutively with stripping between Bid and Gsdmd or Casp1.

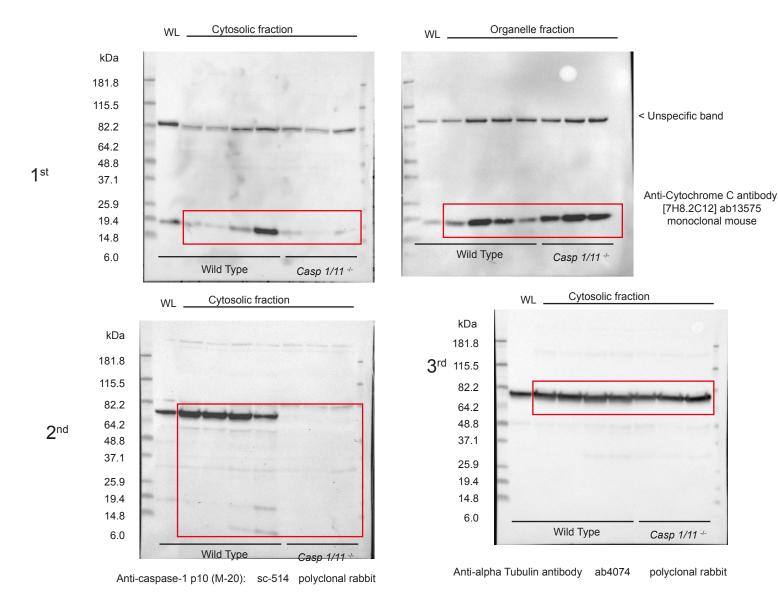


Uncropped membranes Fig 1B *Gsdmd*-Membranes were probed consecutively without stripping



Anti-alpha Tubulin antibody ab4074 polyclonal rabbit

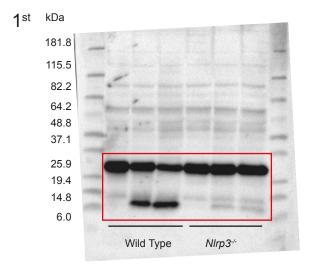
Uncropped membranes Fig 1B *Casp1/11*^{-/-} Membranes were probed consecutively without stripping



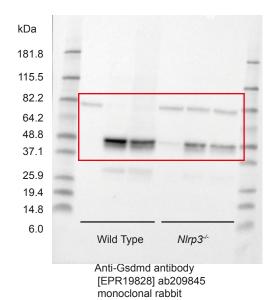
Uncropped membranes Fig 3A Membranes were probed consecutively with stripping between Bid and Gsdmd

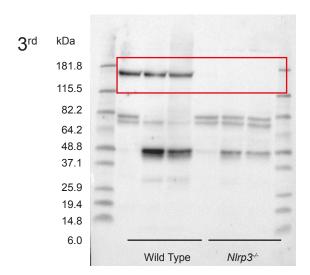
2nd

4th

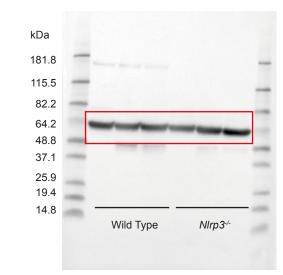


Anti-BID antibody (#91508) MAB860 monoclonal rat



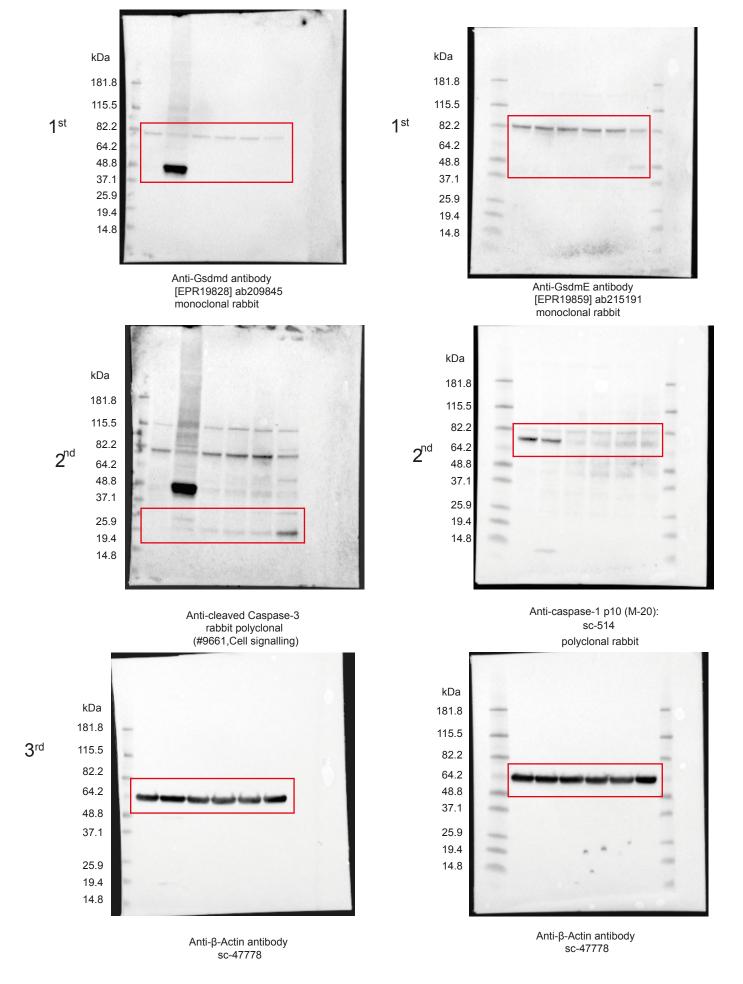


Anti-NLRP3/NALP3 antibody [Cryo-2] AG-20B-0014 monoclonal mouse



Anti-β-Actin antibody sc-47778 monoclonal mouse

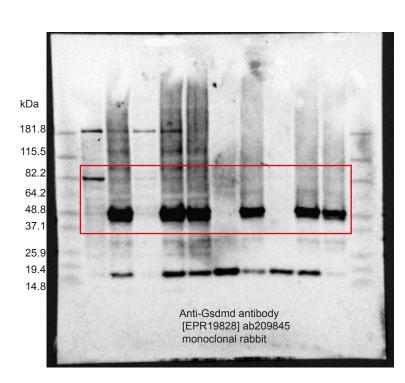
Uncropped membranes Fig 4A Membranes were probed consecutively .

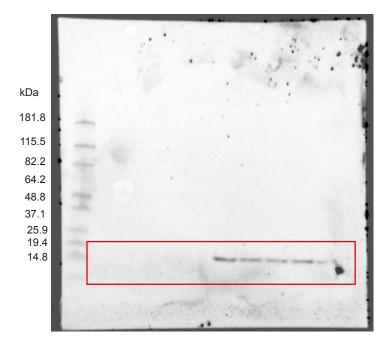


Uncropped membranes Fig 5C Membranes were probed consecutively .

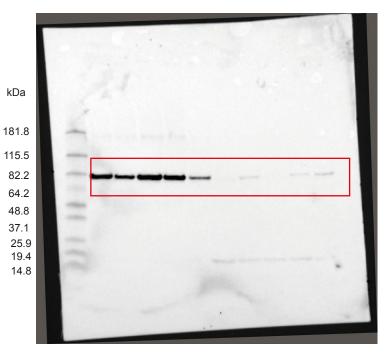


Anti-Cytochrome C antibody [7H8.2C12] ab13575 monoclonal mouse



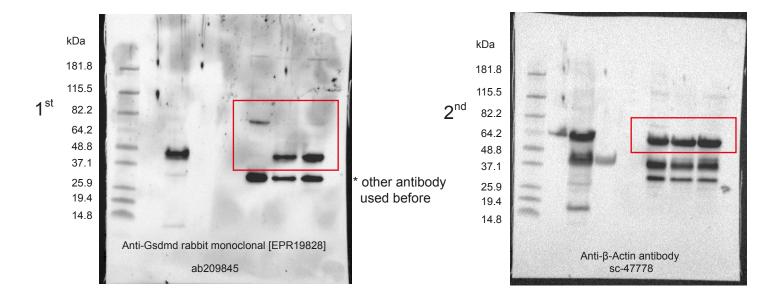


Anti-TOMM20 antibody EPR15581-54 ab4074 monoclonal rabbit

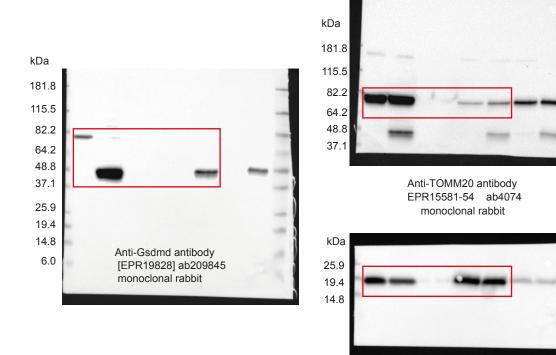


Anti-alpha Tubulin antibody ab4074 polyclonal rabbit

Uncropped membranes Fig 6A Membranes were probed consecutively without stripping .

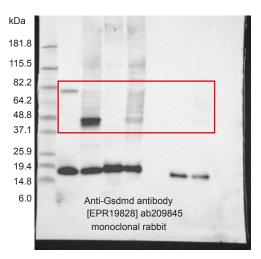


Uncropped membranes Supplementary Fig S1C

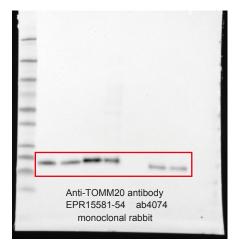


Anti-alpha Tubulin antibody ab4074 polyclonal rabbit

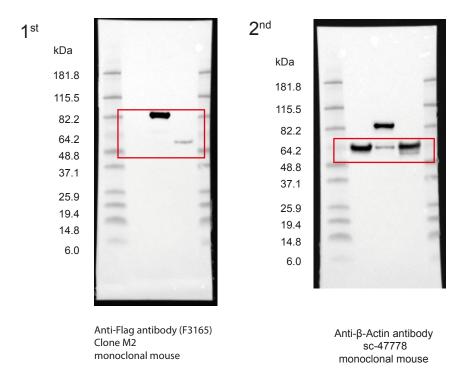
Uncropped membranes Supplementary Fig S1D







Uncropped membranes Supplementary Fig S3A Membranes were probed consecutively without stripping



Uncropped membranes Supplemnentary Fig S3B

