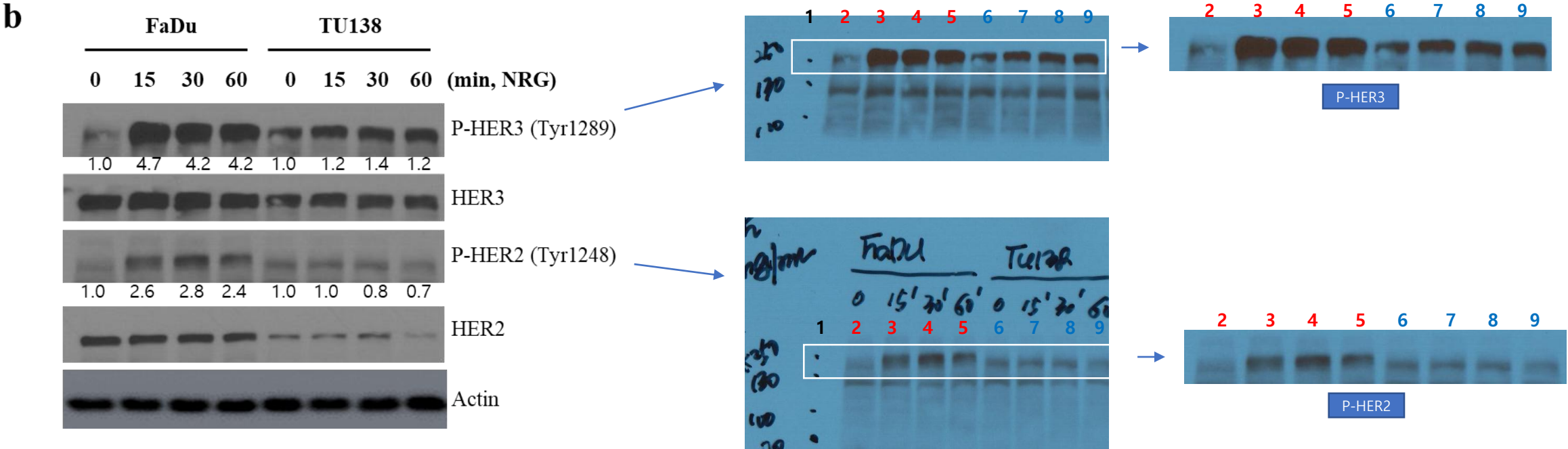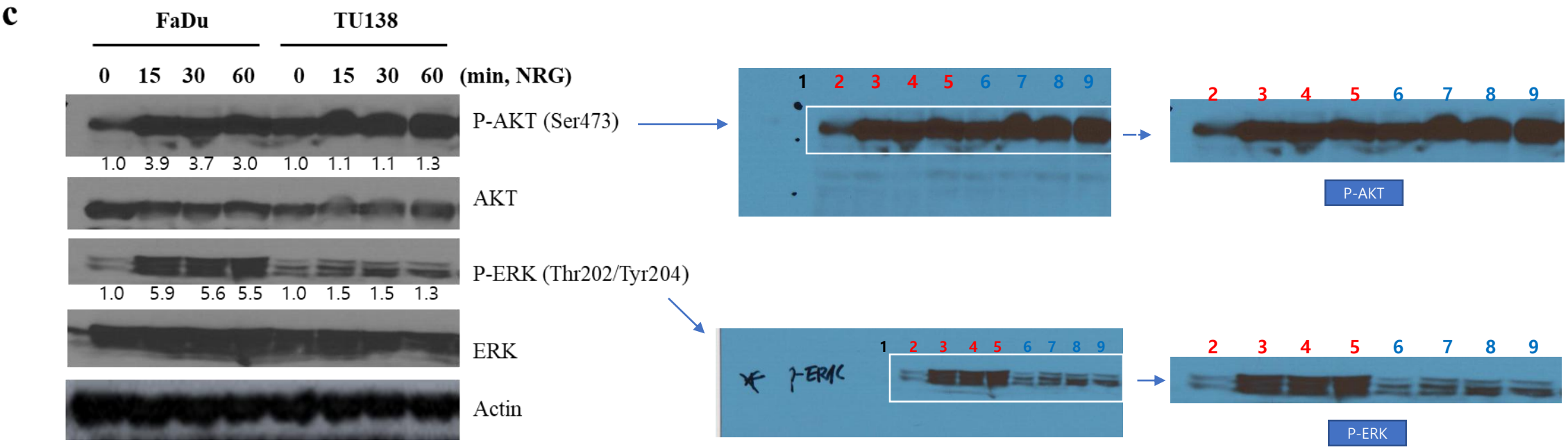# Original image of blots: Figure 2b

Note that the membranes used in the experiments were cut and used as experimental results, so most of the original Western blot results are cut sections from the film.
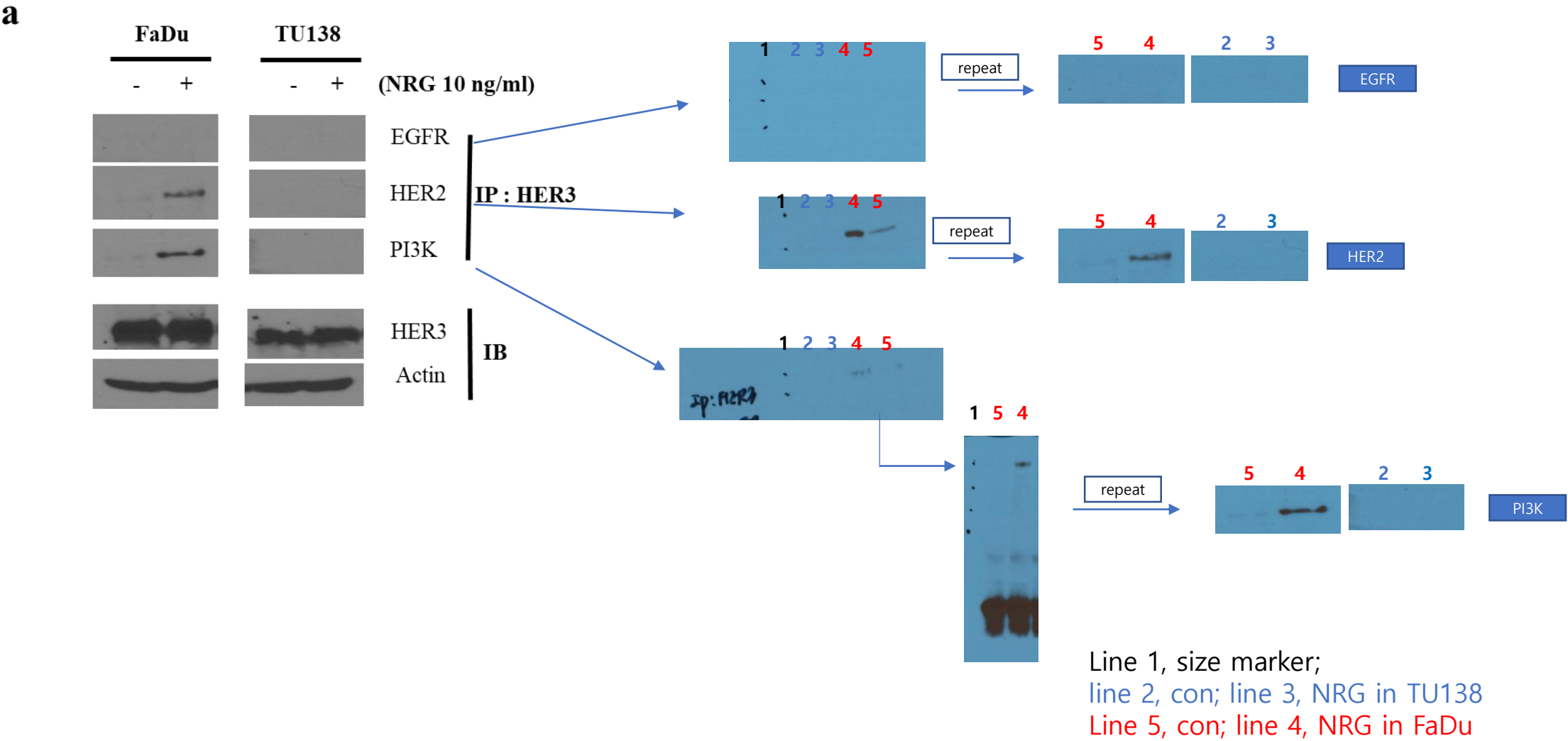

b

	FaDu				TU138				
	0	15	30	60	0	15	30	60	(min, NRG)

P-HER3 (Tyr1289)

1.0 4.7 4.2 4.2 1.0 1.2 1.4 1.2

HER3

P-HER2 (Tyr1248)

1.0 2.6 2.8 2.4 1.0 1.0 0.8 0.7

HER2

Actin

P-HER3

P-HER2

Line 1, size marker;
line 2, con; line 3, 15 min; line 4, 30 min; line 5, 60 min; in FaDu
line 6, 0 min; line 7, 15 min; line 8, 30 min; line 9, 60 min in TU138

Original image of blots: Figure 2c

c

FaDu   TU138

| 0 | 15 | 30 | 60 | 0 | 15 | 30 | 60 | (min, NRG) |

P-AKT (Ser473)

1.0   3.9   3.7   3.0   1.0   1.1   1.1   1.3

AKT

P-ERK (Thr202/Tyr204)

1.0   5.9   5.6   5.5   1.0   1.5   1.5   1.3

ERK

Actin
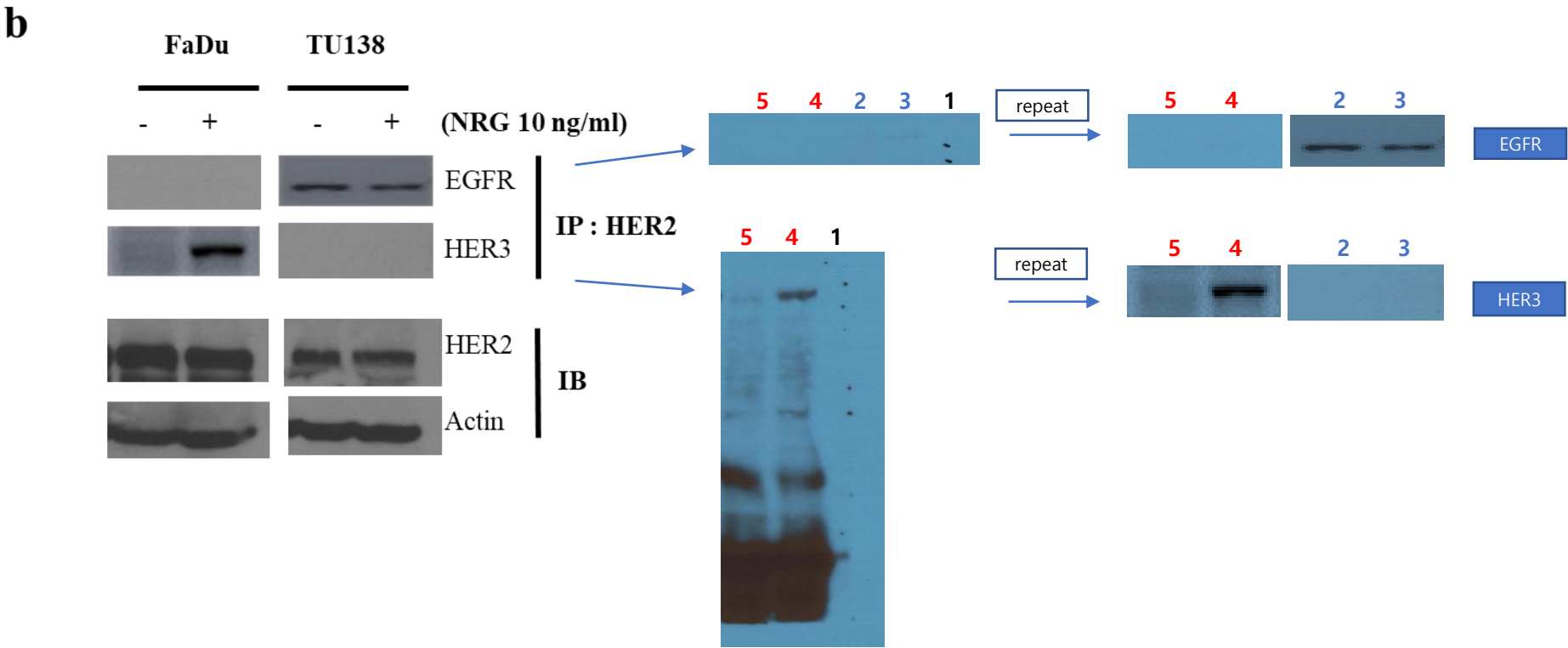
1   2   3   4   5   6   7   8   9

P-AKT

P-ERK

Line 1, size marker;
Line 2, 0 min; line 3, 15 min; line 4, 30 min; line 5, 60 min in FaDu
Line 6, 0 min; line 7, 15 min; line 8, 30 min; line 9, 60 min in TU138
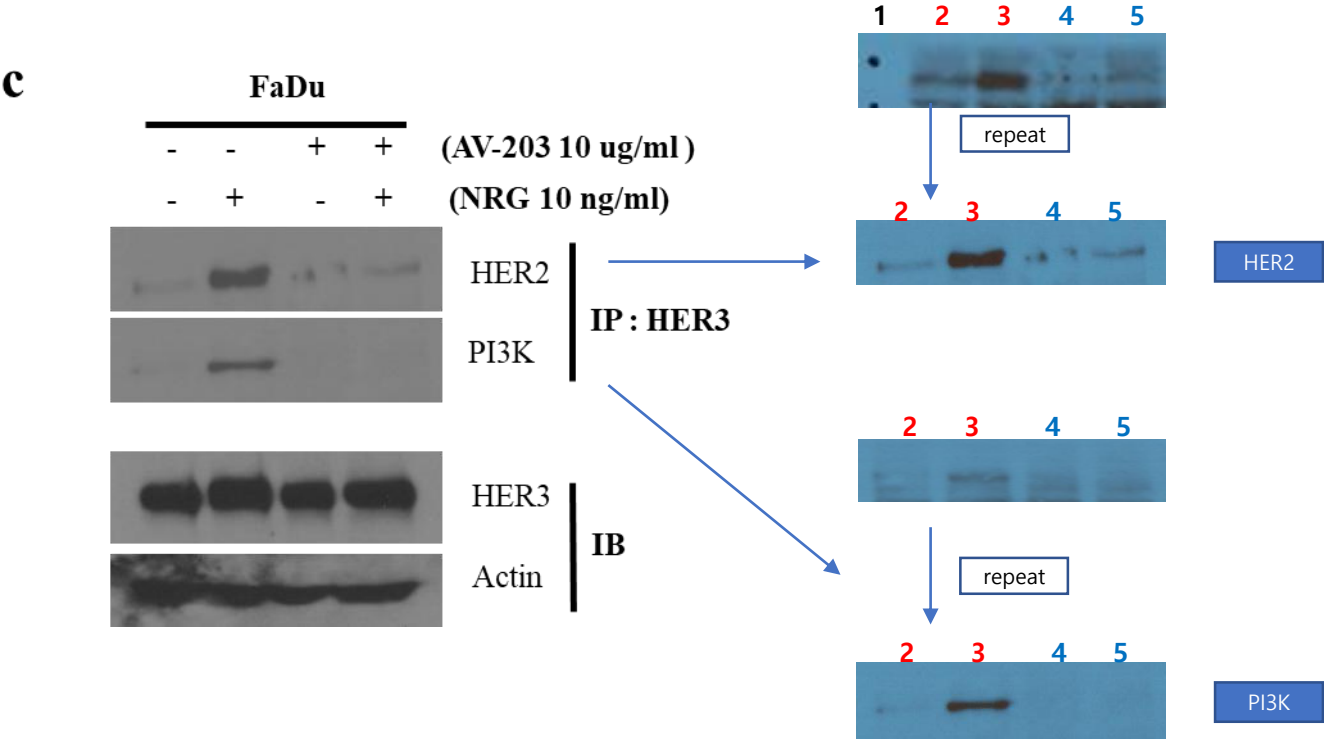
Original image of blots: Figure 3a

a

FaDu | TU138

\- + | \- + (NRG 10 ng/ml)

EGFR

HER2 | IP : HER3

PI3K

HER3 | IB

Actin

repeat

EGFR

HER2

PI3K

Line 1, size marker;
line 2, con; line 3, NRG in TU138
Line 5, con; line 4, NRG in FaDu

Original image of blots: Figure 3b

b

FaDu	TU138	

| - | + | - | + | (NRG 10 ng/ml) |

EGFR

HER3   IP : HER2

HER2   IB

Actin

5 4 2 3 1 | repeat | 5 4   2 3   EGFR
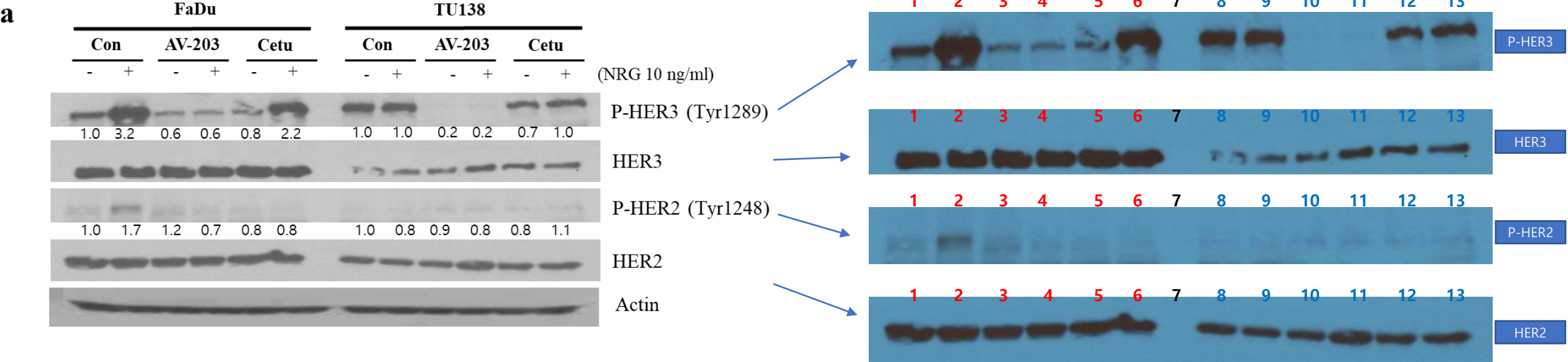
5 4 1 | repeat | 5 4   2 3   HER3

Line 1, size marker;
Line 2, con; line 3, NRG in TU138
Line 5, con; line 4, NRG in FaDu

Original image of blots: Figure 3c

c   FaDu

| - | - | + | + | (AV-203 10 ug/ml) |
| - | + | - | + | (NRG 10 ng/ml) |

HER2

PI3K

IP : HER3

HER3

Actin

IB

repeat

HER2

repeat

PI3K

Line 1, size marker;
Line 2, con; line 3, NRG; line 4, AV-203 alone; line 5, AV-203+NRG in FaDu

Original image of blots: Figure 4a

a

FaDu | TU138

Con | AV-203 | Cetu | Con | AV-203 | Cetu

- + | - + | - + | - + | - + | - + (NRG 10 ng/ml)

P-HER3 (Tyr1289)
1.0 3.2 0.6 0.6 0.8 2.2   1.0 1.0 0.2 0.2   0.7 1.0

HER3

P-HER2 (Tyr1248)
1.0 1.7 1.2 0.7 0.8 0.8   1.0 0.8 0.9 0.8   0.8 1.1

HER2

Actin

P-HER3
HER3
P-HER2
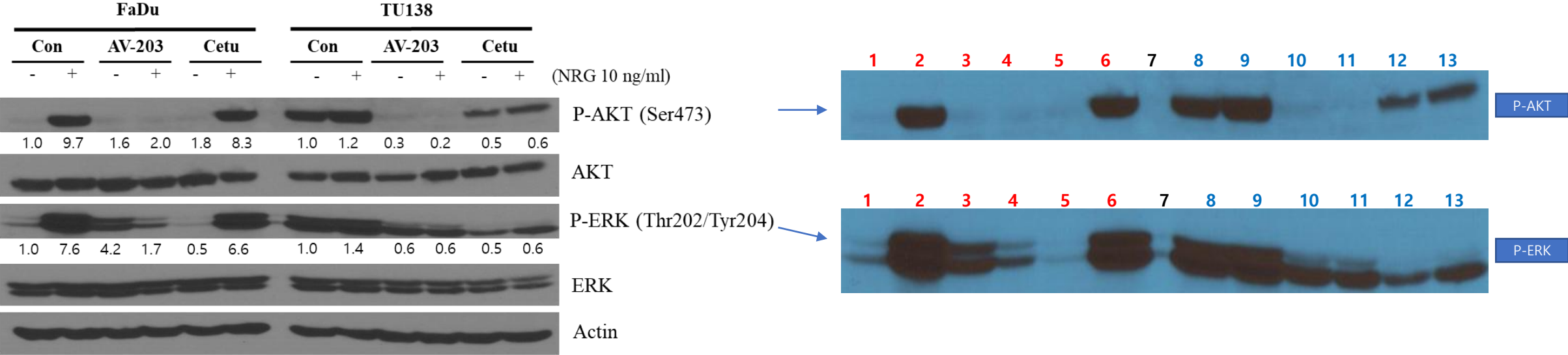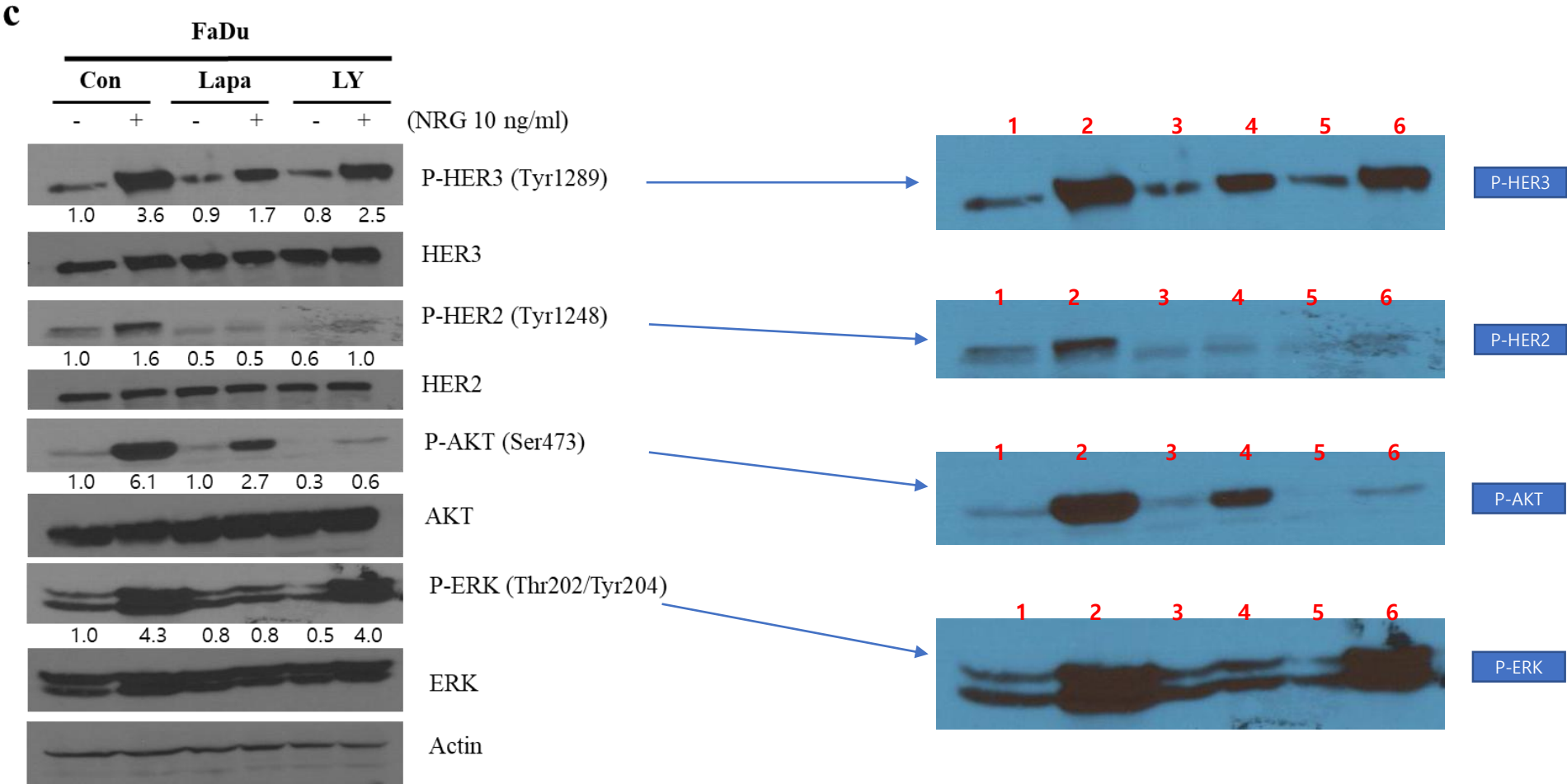HER2

Line 1, con; line 2, NRG; line 3, AV-203 alone; line 4, NRG with AV-203; line 5, Cetu alone; line 6, Cetu with NRG in FaDu
line 7, space;
Line 8, con; line 9, NRG; line 10, AV-203 alone; line 11 NRG with AV-203; line 12, Cetu alone; line 13 Cetu with NRG in TU138

Original image of blots: Figure 4b

b

	FaDu				TU138		

FaDu — Con, AV-203, Cetu
TU138 — Con, AV-203, Cetu

(NRG 10 ng/ml): − + − + − + − + − + − +

P-AKT (Ser473)
1.0 9.7 1.6 2.0 1.8 8.3   1.0 1.2 0.3 0.2 0.5 0.6

AKT

P-ERK (Thr202/Tyr204)
1.0 7.6 4.2 1.7 0.5 6.6   1.0 1.4 0.6 0.6 0.5 0.6

ERK

Actin

P-AKT lanes: 1 2 3 4 5 6 7 8 9 10 11 12 13 — P-AKT
P-ERK lanes: 1 2 3 4 5 6 7 8 9 10 11 12 13 — P-ERK

Line 1, con; line 2, NRG; line 3, AV-203 alone; line 4, NRG with AV-203; line 5, Cetu alone; line 6, Cetu with NRG in FaDu
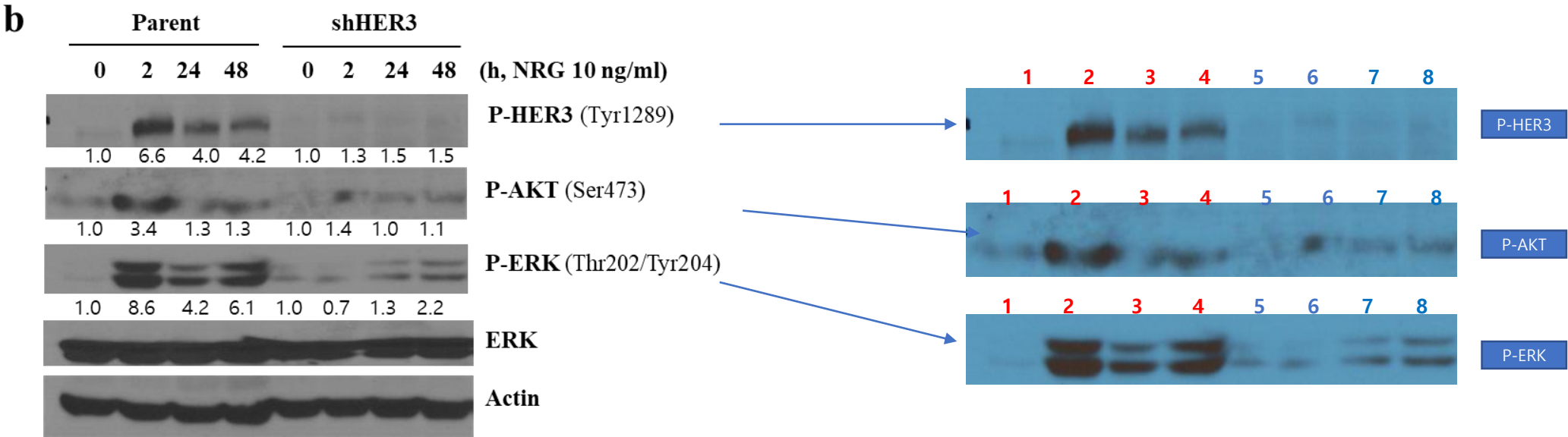line 7, space;
Line 8, con; line 9, NRG; line 10, AV-203 alone; line 11 NRG with AV-203; line 12, Cetu alone; line 13 Cetu with NRG in TU138
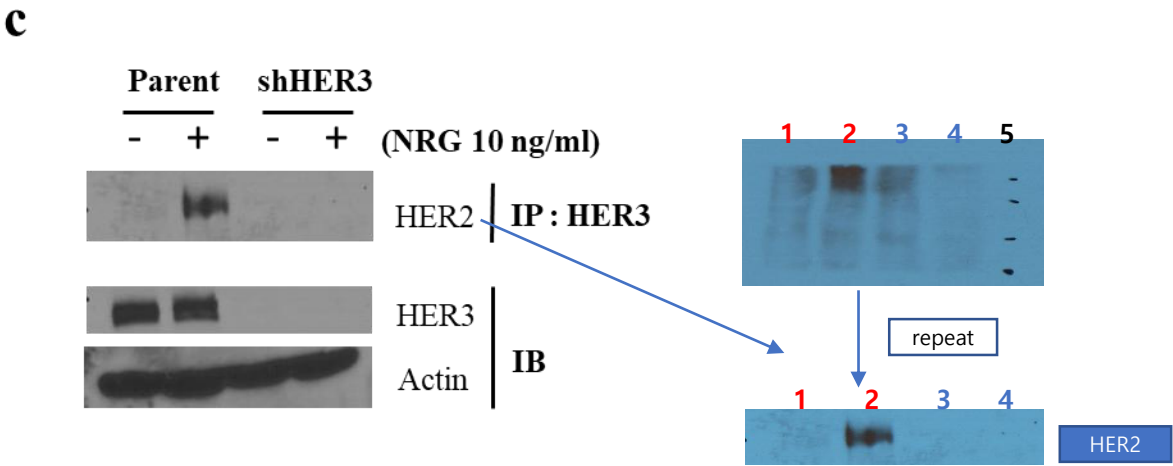
Original image of blots: Figure 4c

Line 1, con; line 2, NRG; line 3, Lapa alone; line 4, NRG with Lapa; line 5, LY alone; line 6, LY with NRG in FaDu

Original image of blots: Figure 5b

b

	Parent			shHER3			
0	2	24	48	0	2	24	48	(h, NRG 10 ng/ml)

P-HER3 (Tyr1289)

1.0 6.6 4.0 4.2 1.0 1.3 1.5 1.5

P-AKT (Ser473)

1.0 3.4 1.3 1.3 1.0 1.4 1.0 1.1

P-ERK (Thr202/Tyr204)

1.0 8.6 4.2 6.1 1.0 0.7 1.3 2.2

ERK

Actin

1 2 3 4 5 6 7 8

P-HER3

1 2 3 4 5 6 7 8

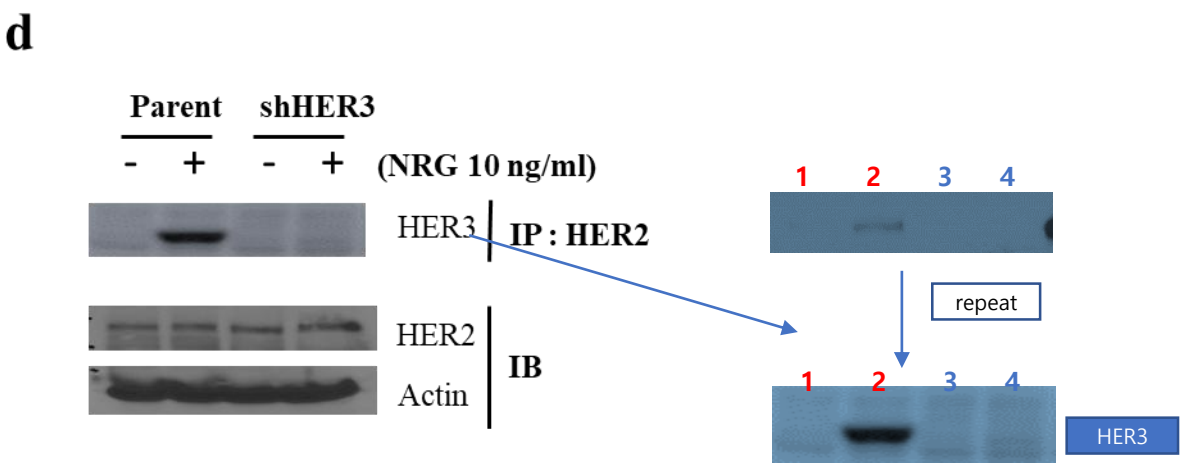P-AKT

1 2 3 4 5 6 7 8

P-ERK

Line 1, 0h; line 2, 2h; line 3, 24h; line 4, 48h in parent/FaDu
Line 5, 0h; line 6, 2h; line 7, 24h; line 8, 48h in shHER3/FaDu
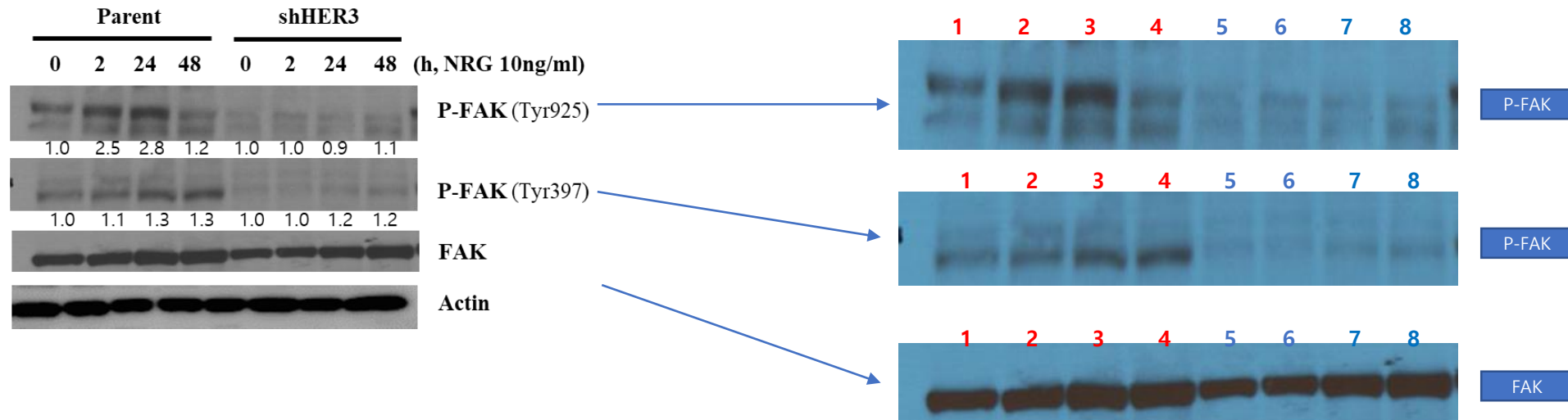
Original image of blots: Figure 5c, 5d

c

Parent   shHER3
- + - + (NRG 10 ng/ml)

HER2 | IP : HER3

HER3 | IB
Actin |

1 2 3 4 5

repeat

1 2 3 4

HER2

Line 1, con; line 2, NRG in parent/FaDu
Line 3, con; line 4, NRG in shHER3/FaDu;
line 5, size marker

d

Parent   shHER3
- + - + (NRG 10 ng/ml)

HER3 | IP : HER2

HER2 | IB
Actin |

1 2 3 4

repeat

1 2 3 4

HER3
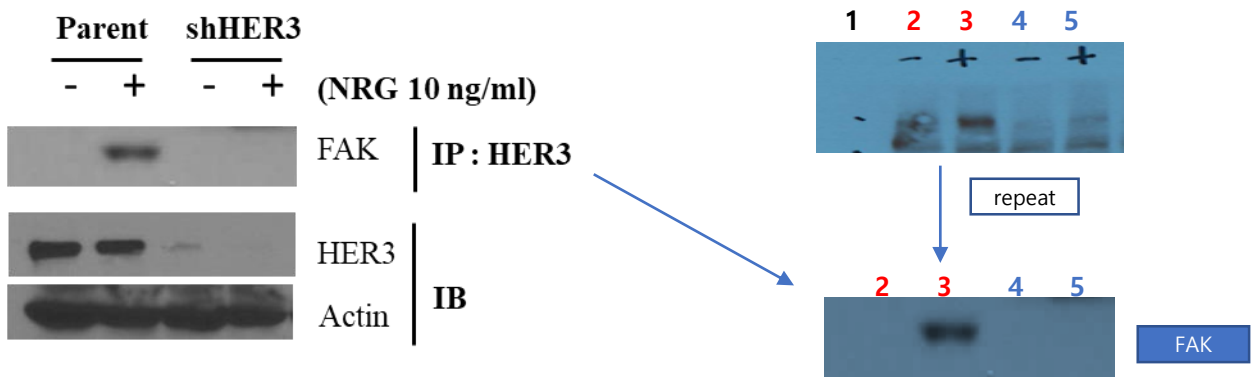
Line 1, con; line 2, NRG in parent/FaDu
Line 3, con; line 4, NRG in shHER3/FaDu

Original image of blots: Figure 6a

Line 1, 0h; line 2, 2h; line 3, 24h; line 4, 48h in parent/FaDu
Line 5, 0h; line 6, 2h; line 7, 24h; line 8, 48h in shHER3/FaDu

Original image of blots: Figure 6d

d

Parent   shHER3

— +   — +   (NRG 10 ng/ml)

FAK | IP : HER3

HER3 |
Actin | IB

1 2 3 4 5

— + — +

repeat

2 3 4 5

FAK

Line 1, size marker;
Line 2, con; line 3, NRG in parent/FaDu
Line 4, con; line 5, NRG in shHER3/FaDu