

Figure 2C MRC-5

Well set -1

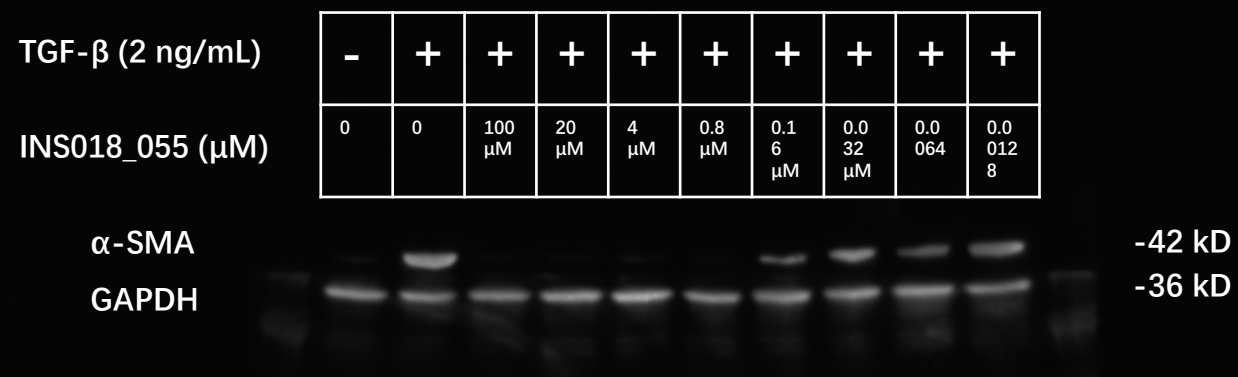


Image shapes
reflect membranes
cut for multiple
staining panels

Figure 2C MRC-5

Well set -2



Image shapes reflect
membranes cut for
multiple staining panels

Figure 2C MRC-5

Well set -3

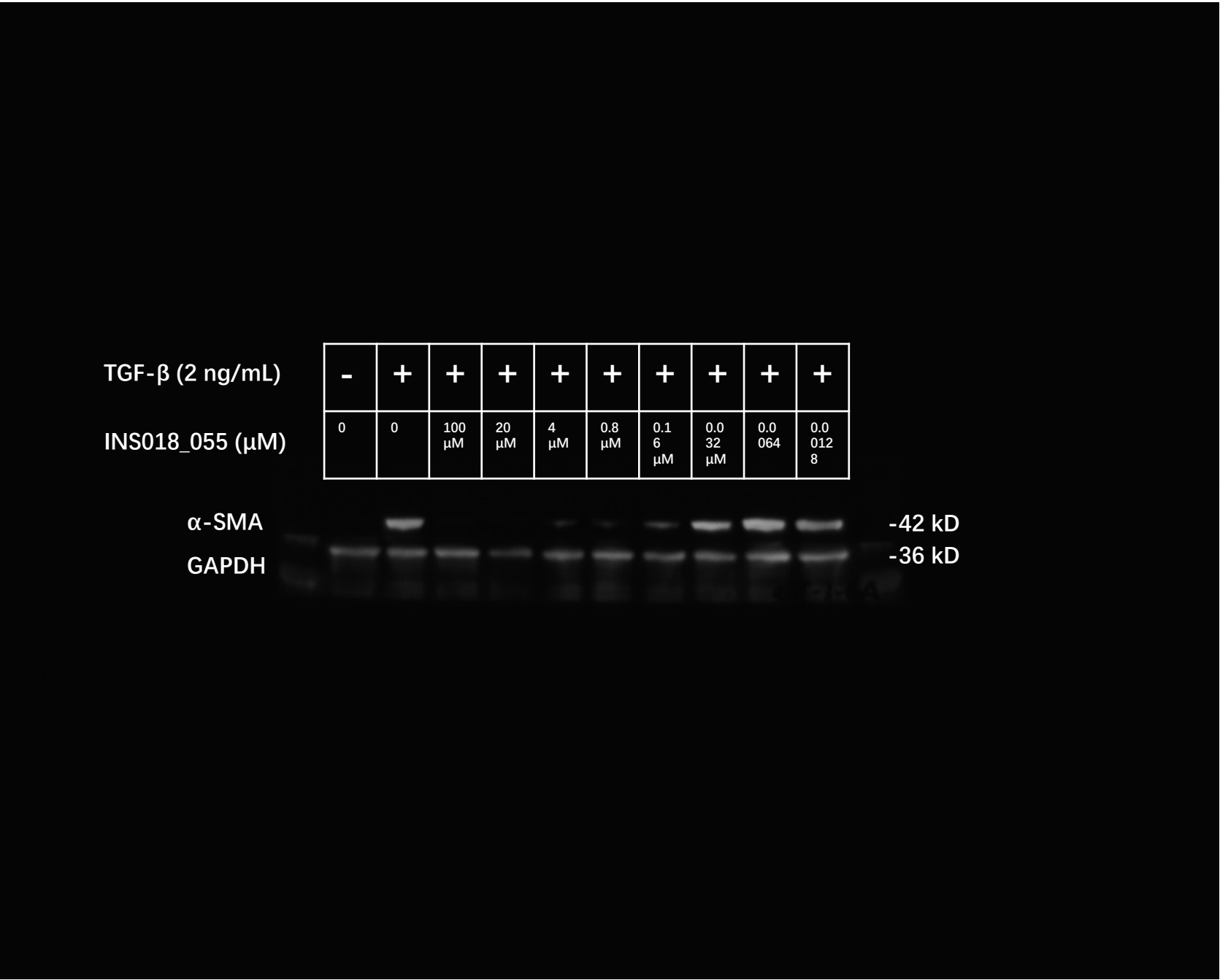


Image shapes reflect membranes cut for multiple staining panels

Fig 2E

Batch 4

TGF-β (5 ng/mL)

INS018_055 (μM)

cytoplasm						nuclear matrix						chromatin					
-	+	+	+	+	+	-	+	+	+	+	+	-	+	+	+	+	+
0	0	0	0	1	3	0	0	0	0	1	3	0	0	0	0	1	3
		1	3					1	3					1	3		

Image shapes reflect membranes cut for multiple staining panels

Gel 1

beta-catenin

-90 kD

HDAC-2

-55 kD

tubulin

-55 kD

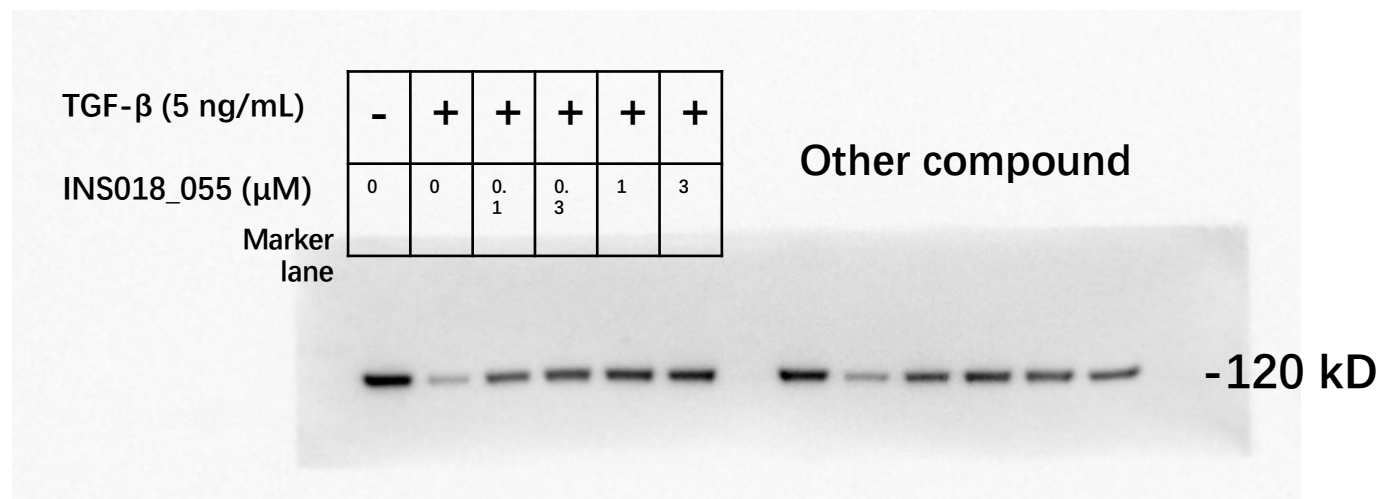
Gel 3

Histone 3

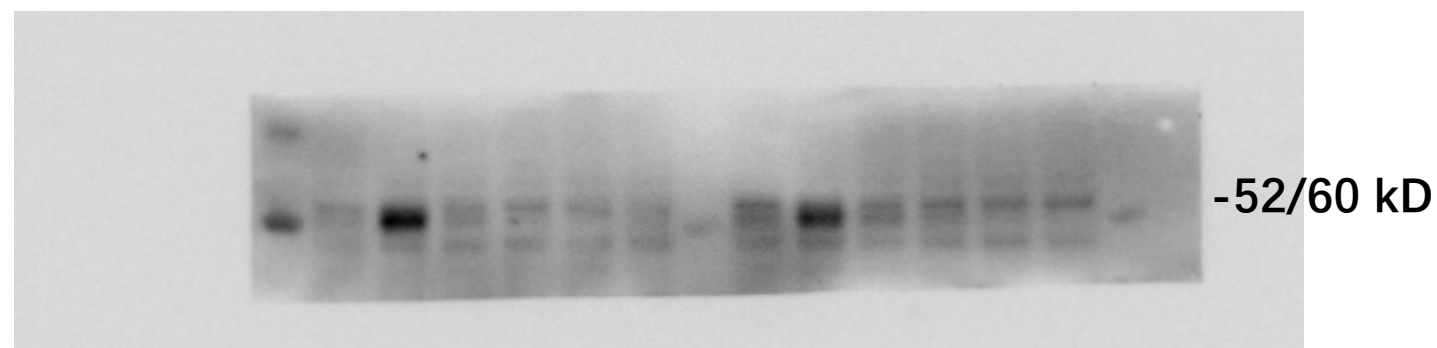
-15 kD

Fig 2E Batch 2 -Gel1

E-cadherin



phospho-smad2/3



GAPDH

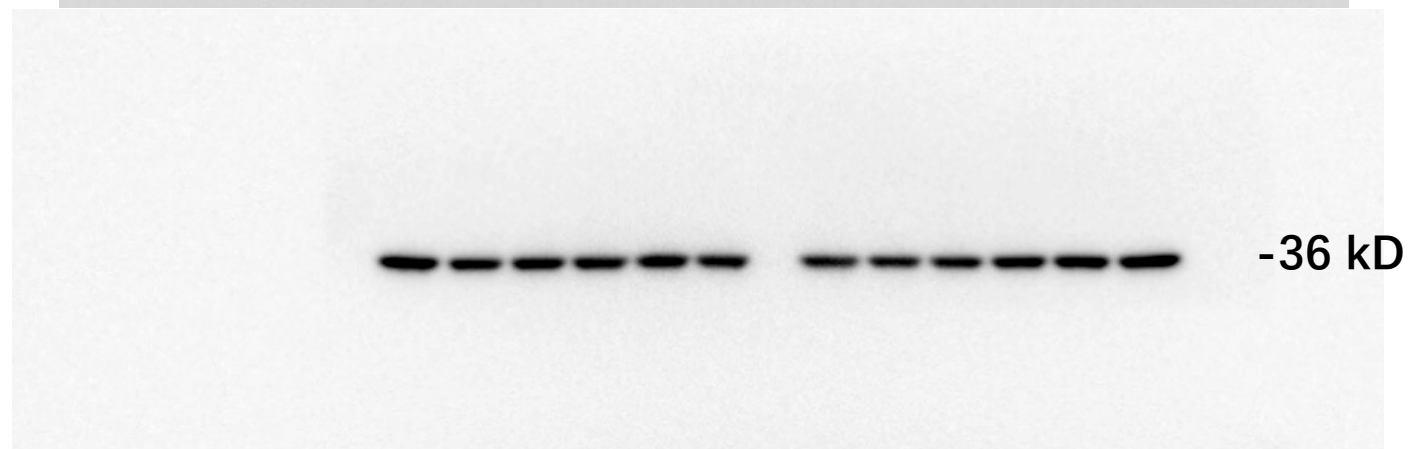


Image shapes reflect
membranes cut for
multiple staining panels

Fig 2E Batch 2 -Gel2

N-cadherin

TGF- β (5 ng/mL)	-	+	+	+	+	+
INS018_055 (μ M)	0	0	0.1	0.3	1	3
Marker lane						

Other compound

-140 kD

Smad2/3

-52/60 kD

GAPDH

-36 kD



Image shapes reflect membranes cut for multiple staining panels

Fig 2F Batch 1 – Gel 3

TNF- α (20 ng/mL)TGF- β (5 ng/mL)INS018_055 (μ M)

-	-	-	-	-	-	+	+	+	+	+
-	+	+	+	+	+	+	+	+	+	+
0	0	0.1	0.3	1	3	0	0.1	0.3	1	3

phospho-p65

Marker
lane

-65 kD

GAPDH

-36 kD

Image shapes reflect
membranes cut for
multiple staining panels

Fig 2F Batch 1 – Gel 4TNF- α (20 ng/mL)TGF- β (5 ng/mL)INS018_055 (μ M)

p65

Marker
lane

-65 kD

GAPDH

-36 kD

-	-	-	-	-	-	+	+	+	+	+
-	+	+	+	+	+	+	+	+	+	+
0	0	0.1	0.3	1	3	0	0.1	0.3	1	3

Image shapes reflect
membranes cut for
multiple staining panels

Gel 1

TGF- β (5 ng/mL)

-	+	-	+	-	+
shC trl	shC trl	shT NIK	shT NIK	parental	

fibronectin



-260 kD

Phospho-FAK



-125 kD

Smad2/3

-52/60 kD

GAPDH

-36 kD

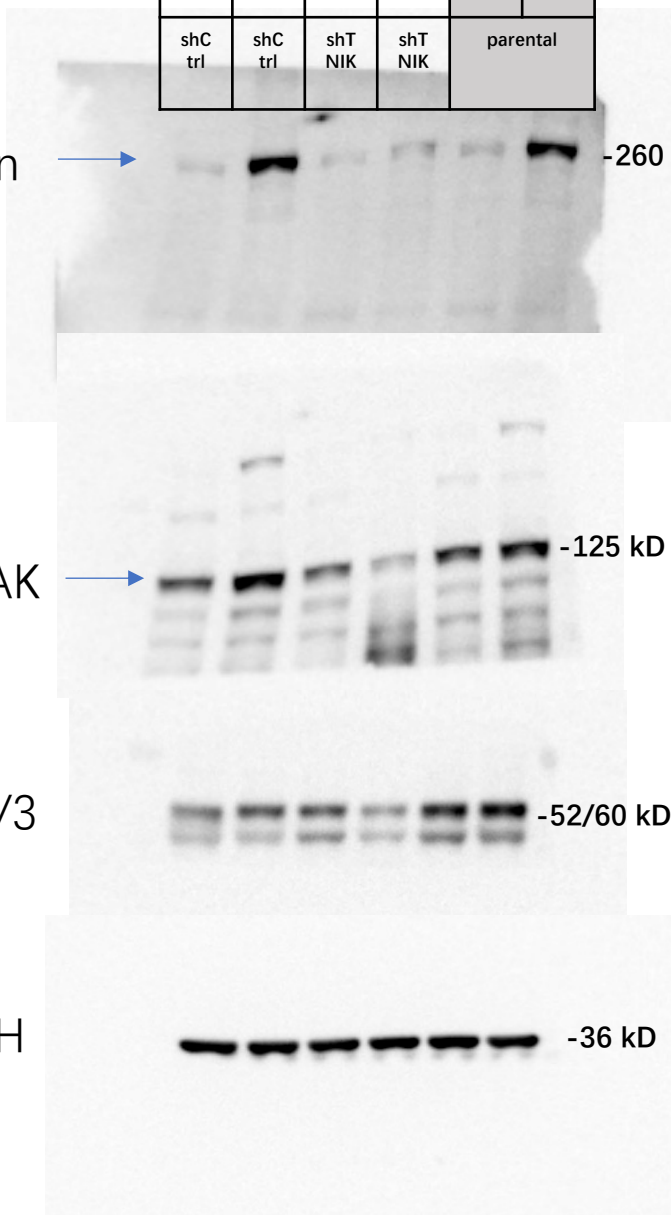


Image shapes reflect
membranes cut for
multiple staining panels

Gel 2

TGF- β (5 ng/mL)

-	+	-	+	-	+
shCt rl	shCt rl	shT NIK	shT NIK	parental	

TNIK → -180 kD

FAK -125 kD

Phospho-smad2

-60 kD

GAPDH

-36 kD

Image shapes reflect
membranes cut for
multiple staining panels

Gel 3

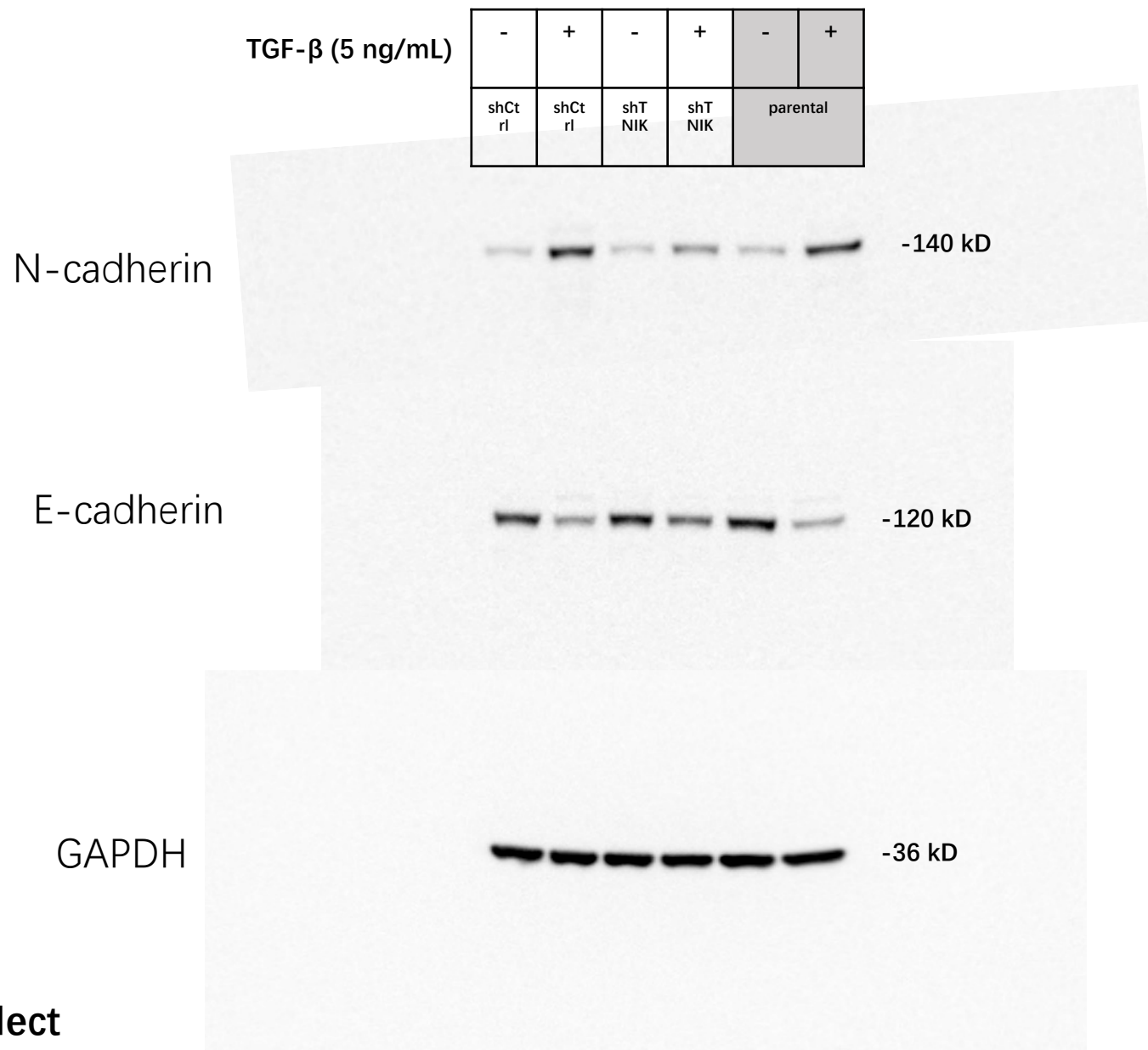


Image shapes reflect
membranes cut for
multiple staining panels

Figure 5A HK-2

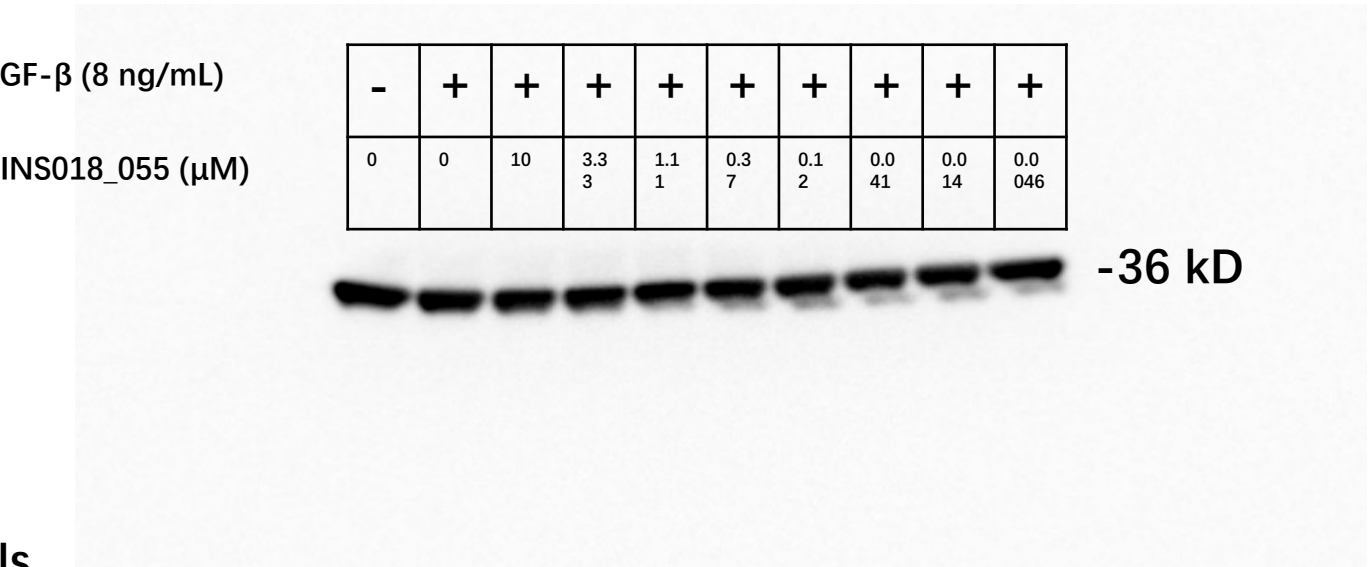
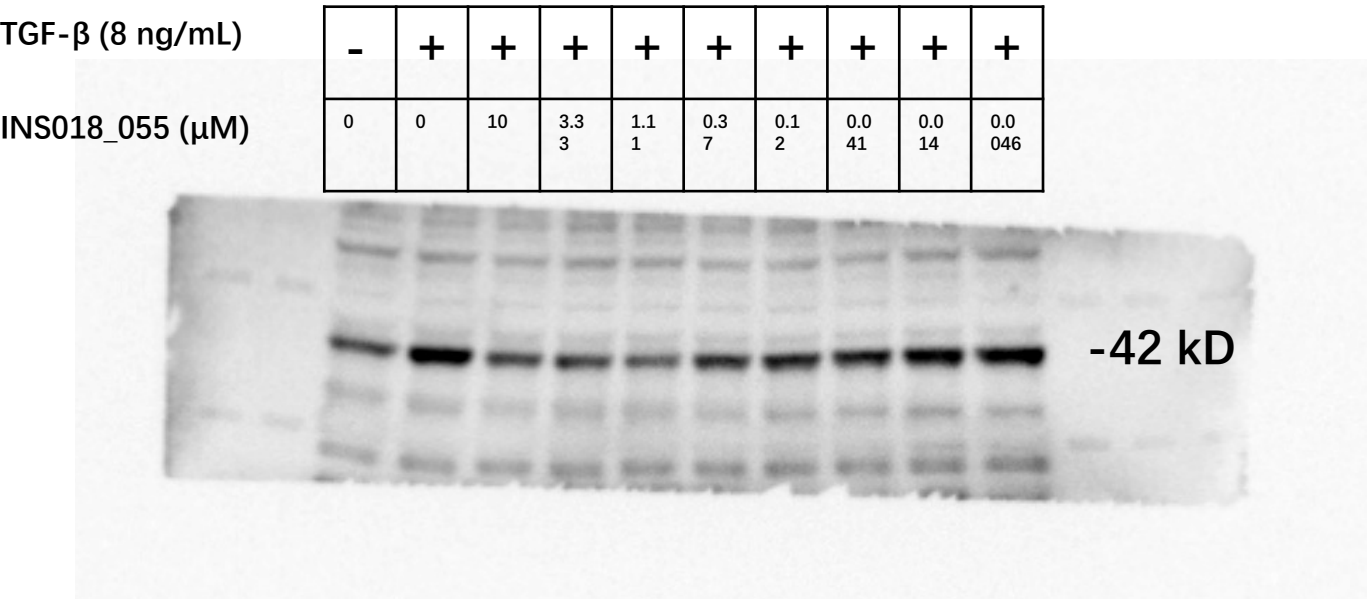


Image shapes reflect
membranes cut for
multiple staining panels

Extended Data Fig 5B

Batch 1

TGF-β (5 ng/mL)

INS018_055 (μM)

cytoplasm							nuclear matrix						chromatin					
-	+	+	+	+	+	+	-	+	+	+	+	+	-	+	+	+	+	+
0	0	0	0	1	3	0	0	0	0	1	3	0	0	0	1	3	0	0
		1	3					1	3				1	3				

Two unrelated loading lanes

Image shapes reflect membranes cut for multiple staining panel

Gel 9

beta-catenin

HDAC-2

-90 kD

-55 kD

tubulin

-55 kD

Gel 11

Histone 3

-15 kD

Extended Data Fig 5B

Batch 2

TGF-β (5 ng/mL)

INS018_055 (μM)

cytoplasm						nuclear matrix						chromatin					
-	+	+	+	+	+	-	+	+	+	+	+	-	+	+	+	+	+
0	0	0	0	1	3	0	0	0	0	1	3	0	0	0	1	3	3
		1	3					1	3				1	3			

Gel 7

beta-catenin

-90 kD

HDAC-2

-55 kD

Gel 9

tubulin

-55 kD

Histone 3

-15 kD

Image shapes reflect membranes cut for multiple staining panels

Extended Data Fig 5B

Batch 1 -Gel1

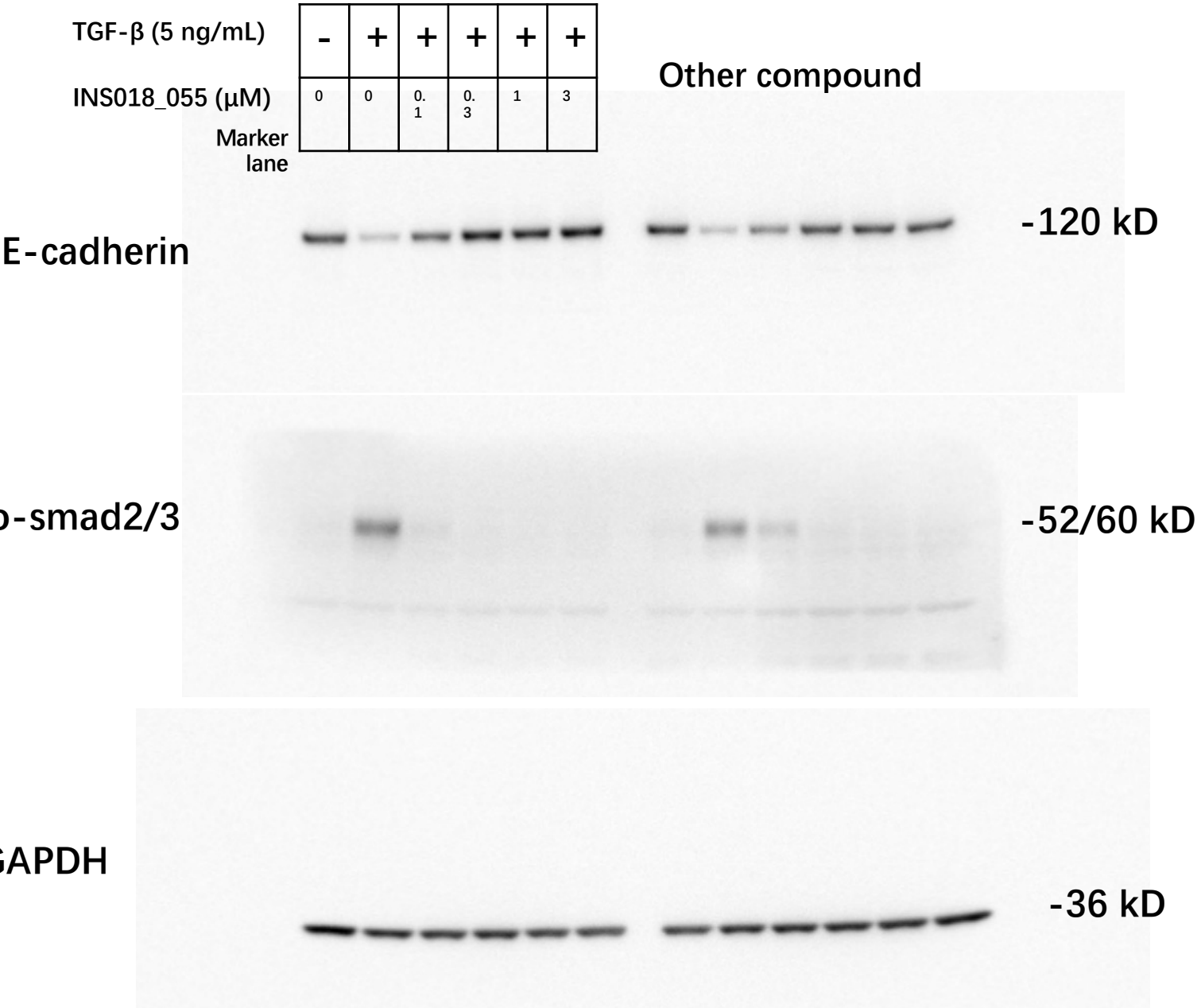


Image shapes reflect membranes cut for multiple staining panels

Extended Data Fig 5B

Batch 2 -Gel2

TGF-β (5 ng/mL)	-	+	+	+	+	+
INS018_055 (μM)	0	0	0.1	0.3	1	3

Other compound

N-cadherin

Marker lane

-140 kD

Smad2/3

-52/60 kD

GAPDH



-36 kD

Image shapes reflect membranes cut for multiple staining panels

Extended Data Fig 5B

Batch 3 -Gel1

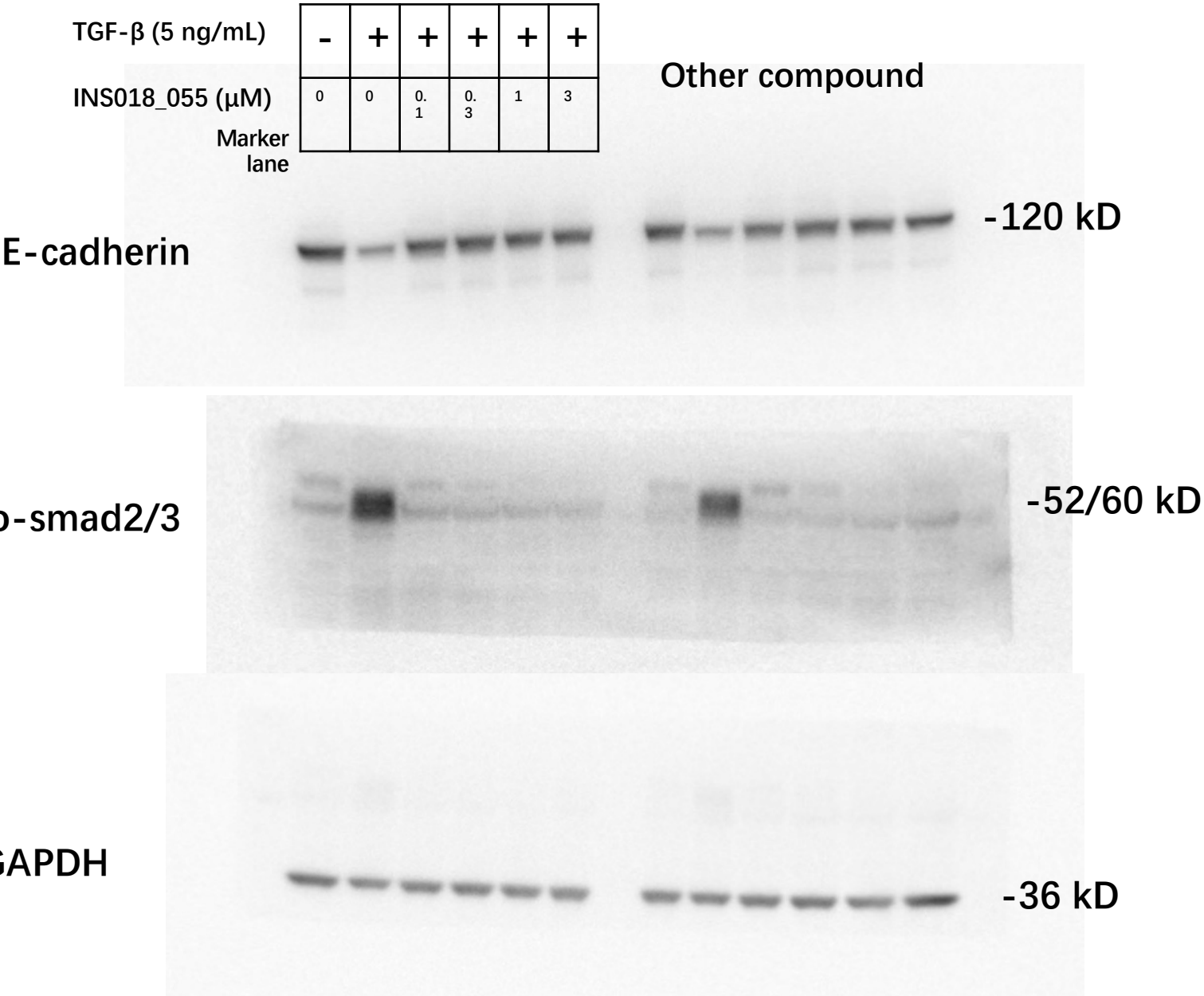


Image shapes reflect membranes cut for multiple staining panels

Extended Data Fig 5B

Batch 3 -Gel2

N-cadherin

GAPDH

TGF-β (5 ng/mL)	-	+	+	+	+	+
INS018_055 (μM)	0	0	0.1	0.3	1	3

Marker lane

Other compound

-140 kD

-36 kD

Image shapes reflect membranes cut for multiple staining panels

Extended Data Fig 5B

Batch 3 **-a re-run gel**

TGF-β (5 ng/mL)	-	+	+	+	+	+
INS018_055 (μM)	0	0	0.1	0.3	1	3
Marker lane						

Other compound

Smad2/3

-52/60 kD

GAPDH 

-36 kD

Image shapes reflect
membranes cut for
multiple staining panels

Extended Data Fig 5B

Batch 2 – Gel 5

TNF- α (20 ng/mL)	-	-	-	-	-	-	+	+	+	+	+
TGF- β (5 ng/mL)	-	+	+	+	+	+	+	+	+	+	+
INS018_055 (μ M)	0	0	0.1	0.3	1	3	0	0.1	0.3	1	3

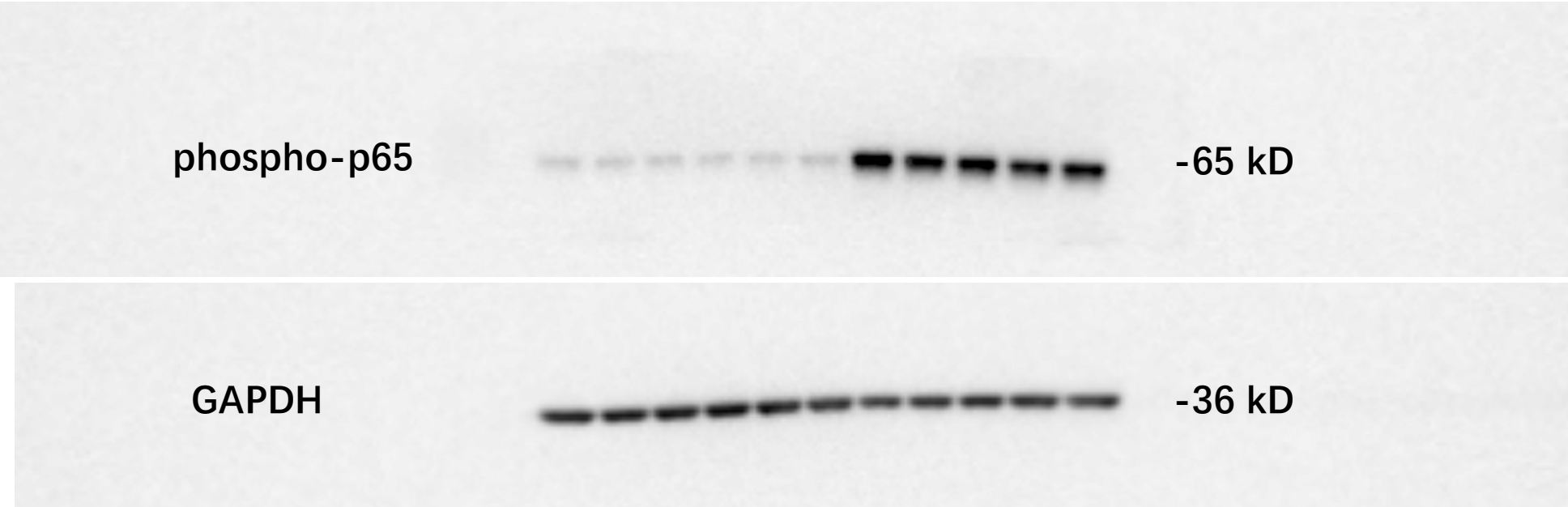


Image shapes reflect
membranes cut for
multiple staining panels

Extended Data Fig 5B

Batch 2 – Gel 6

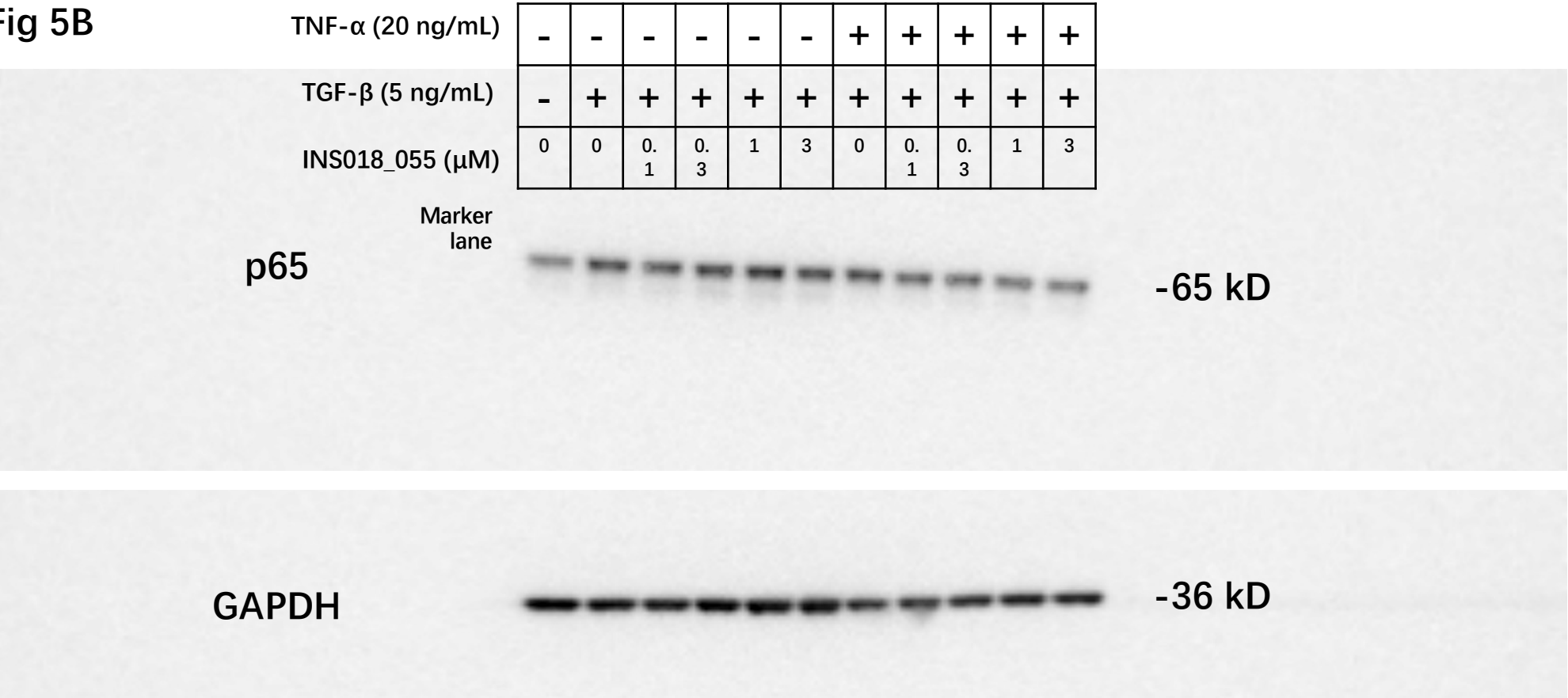


Image shapes reflect
membranes cut for
multiple staining panels

Extended Data Fig 5B

Batch 3 – Gel 4

TNF-α (20 ng/mL)

TGF-β (5 ng/mL)

INS018_055 (μM)

-	-	-	-	-	-	+	+	+	+	+
-	+	+	+	+	+	+	+	+	+	+
0	0	0.1	0.3	1	3	0	0.1	0.3	1	3

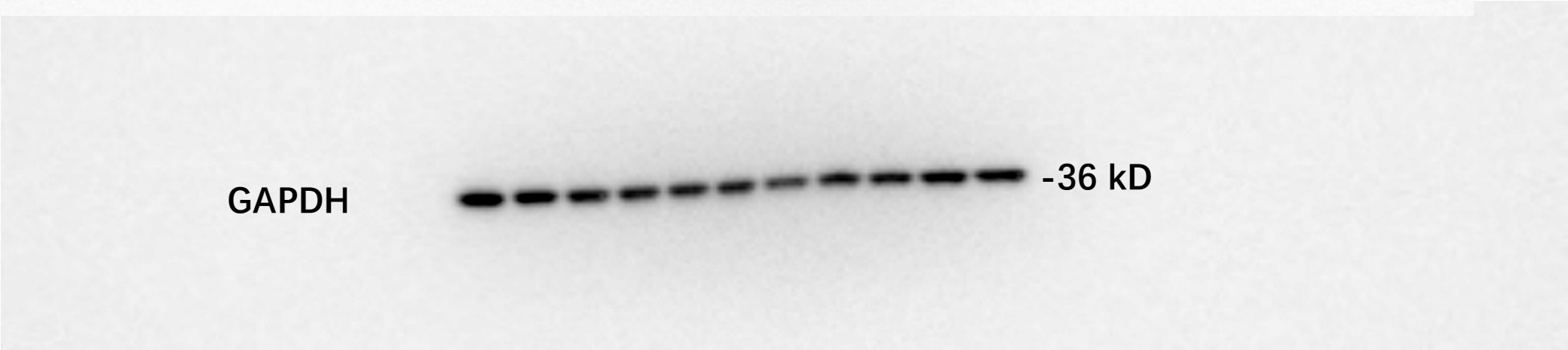
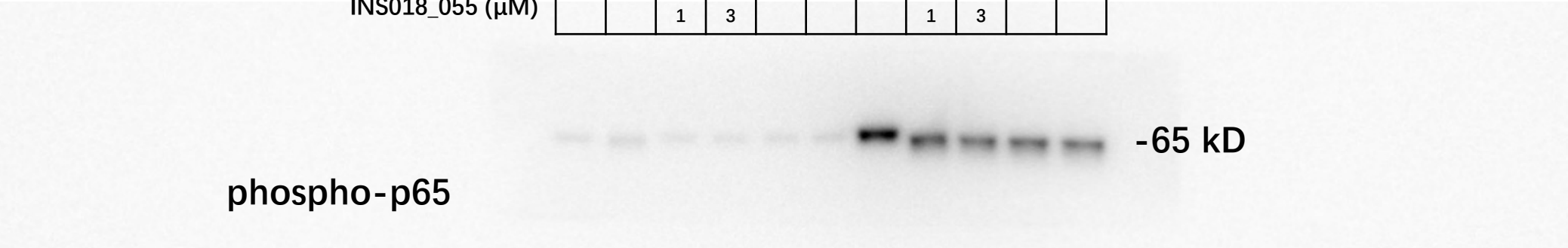


Image shapes reflect
membranes cut for
multiple staining panels

Extended Data Fig 5B

Batch 3 – Gel 3

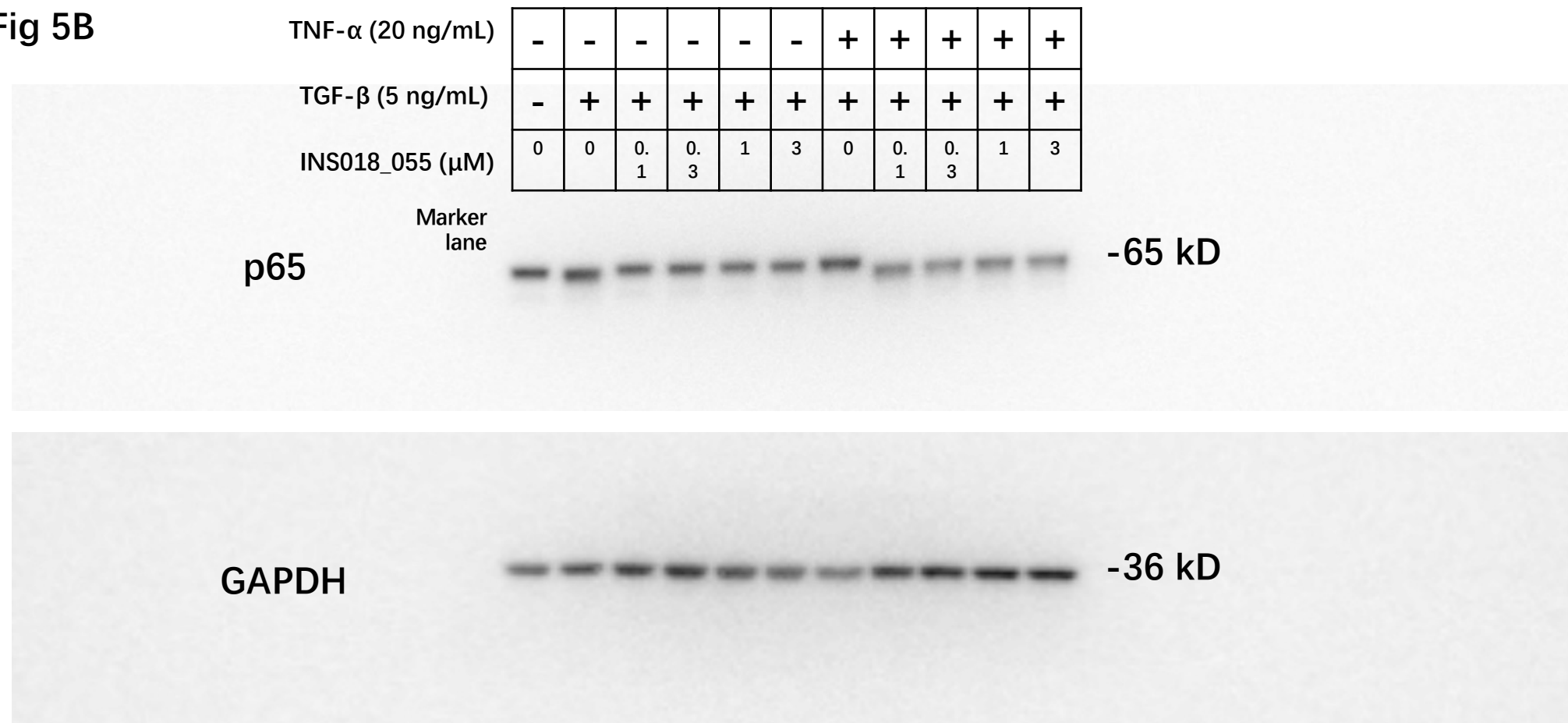


Image shapes reflect
membranes cut for
multiple staining panels

Extended Data Fig 6B

Gel 1

TGF- β (5 ng/mL)

-	+	-	+	-	+	-	+
sh Ct rl	sh Ct rl	sh TN IK	sh TN IK	sh Ct rl	sh Ct rl	sh TN IK	sh TN IK

fibronectin

-260 kD

N-cadherin

-140 kD

Smad2/3

-52/60 kD

GAPDH

-36 kD

Image shapes reflect
membranes cut for
multiple staining panels

TGF- β (5 ng/mL)

-	+	-	+	-	+	-	+
sh Ctr 1	sh Ctr 1	shT NI K	shT NI K	sh Ctr 1	sh Ctr 1	shT NI K	shT NI K

TNIK



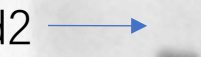
-180 kD

E-cadherin



-120 kD

Phospho Smad2



GAPDH

-36 kD

Image shapes reflect
membranes cut for
multiple staining panels