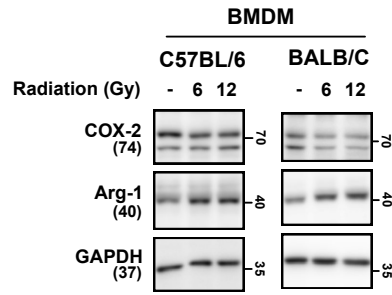
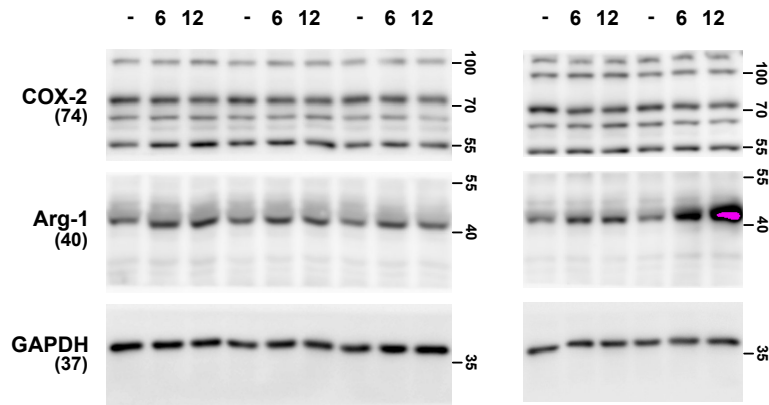


**Fig. 2J**



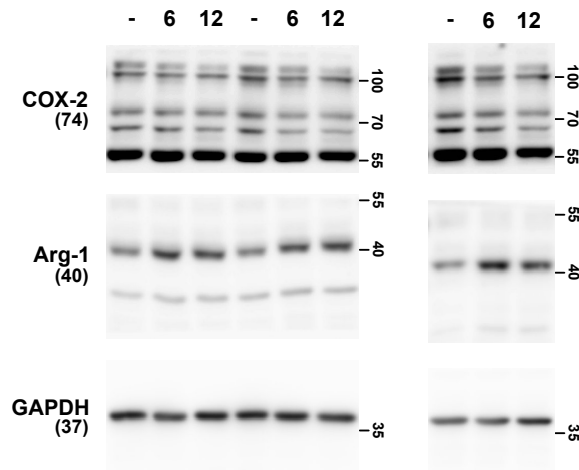
**5 Biological Replicates**

**C57BL/6**

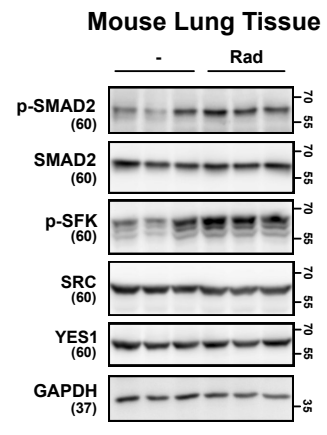


**3 Biological Replicates**

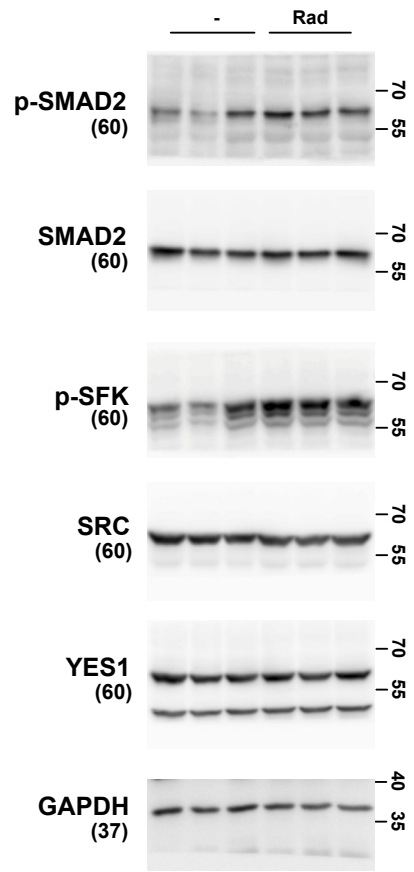
**BALB/C**



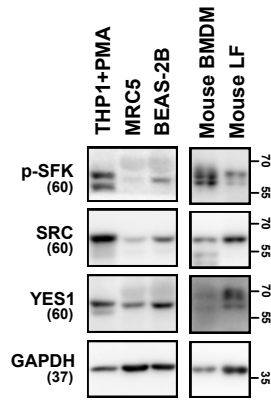
**Fig. 4E**



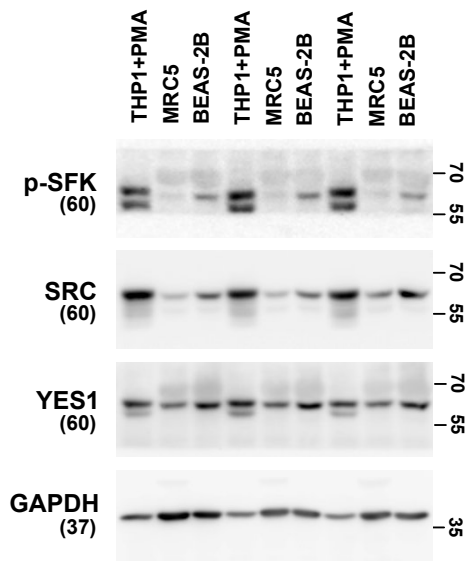
**3 Different Mouse Tissue**



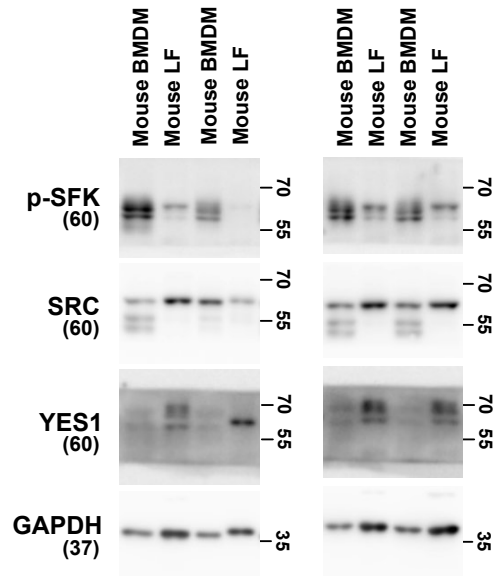
**Fig. 4F**



**3 Biological Replicates**

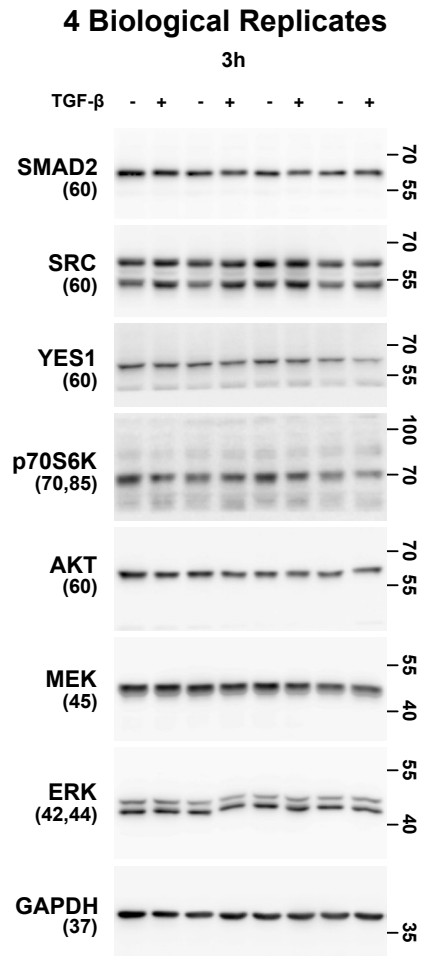
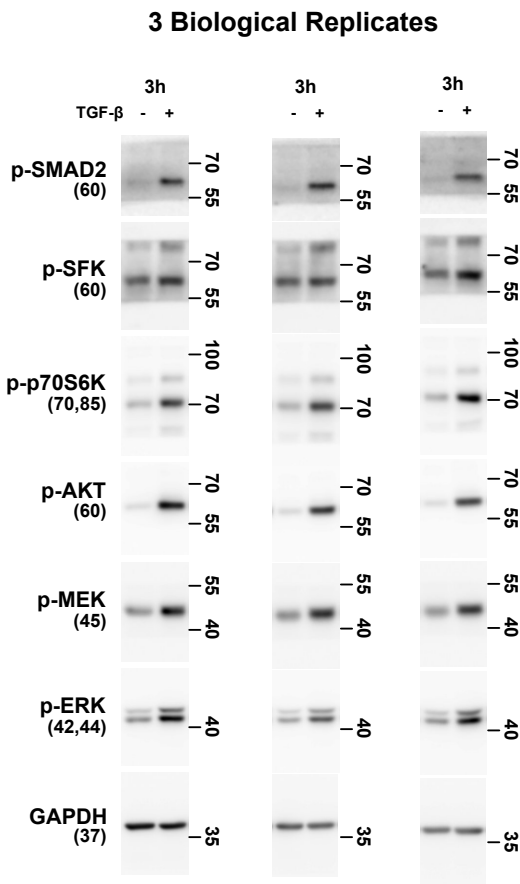
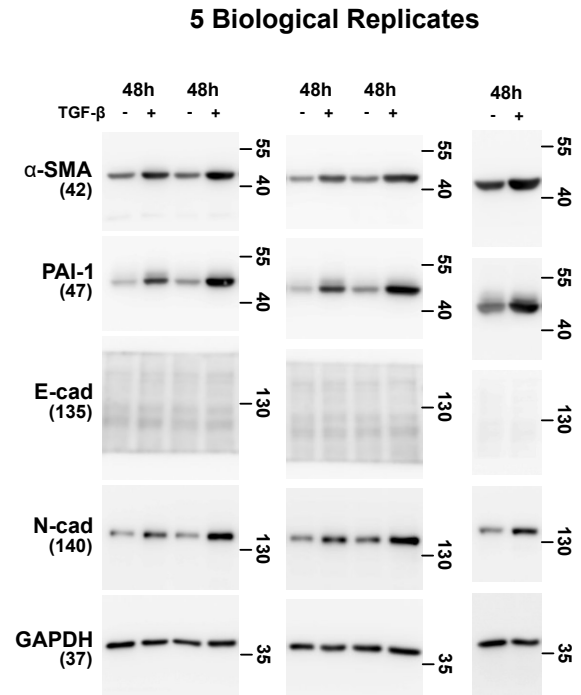
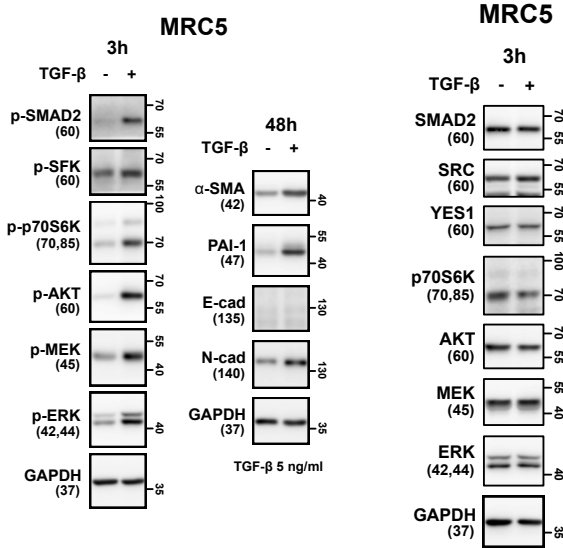


**4 Biological Replicates**



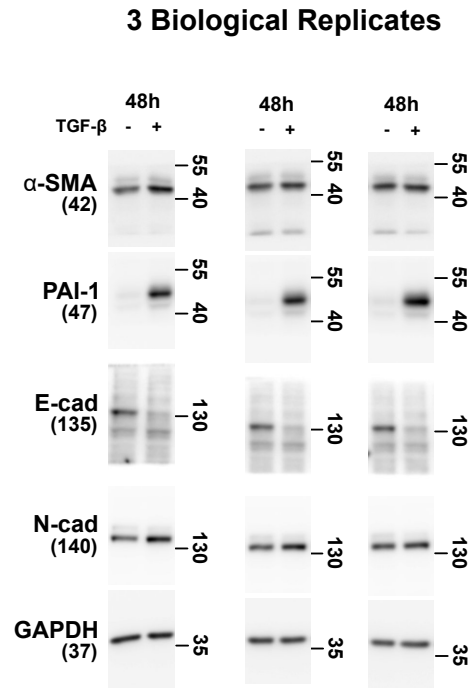
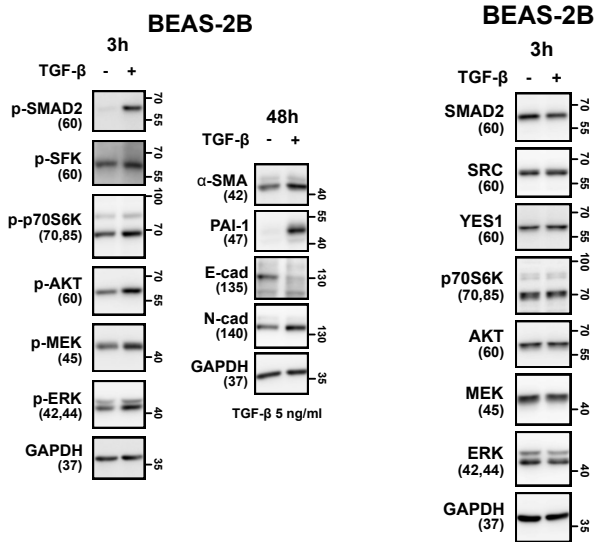
**Fig. 4G**

**Supplementary Fig. 11**

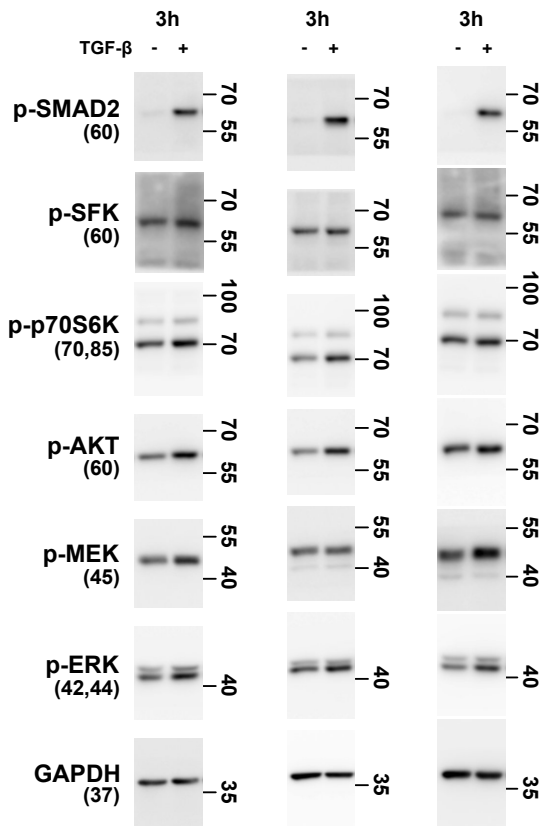


**Fig. 4H**

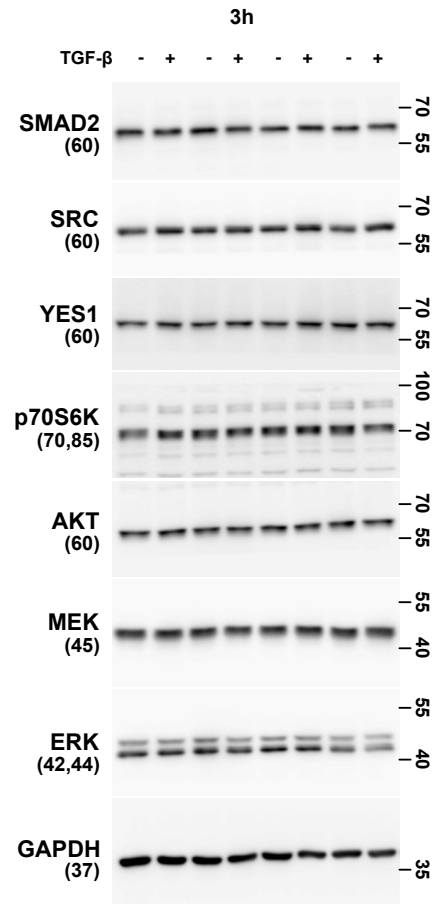
**Supplementary Fig. 11**



**3 Biological Replicates**

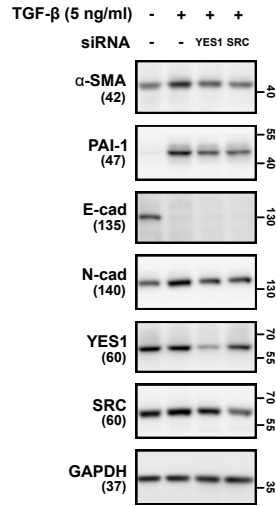


**4 Biological Replicates**

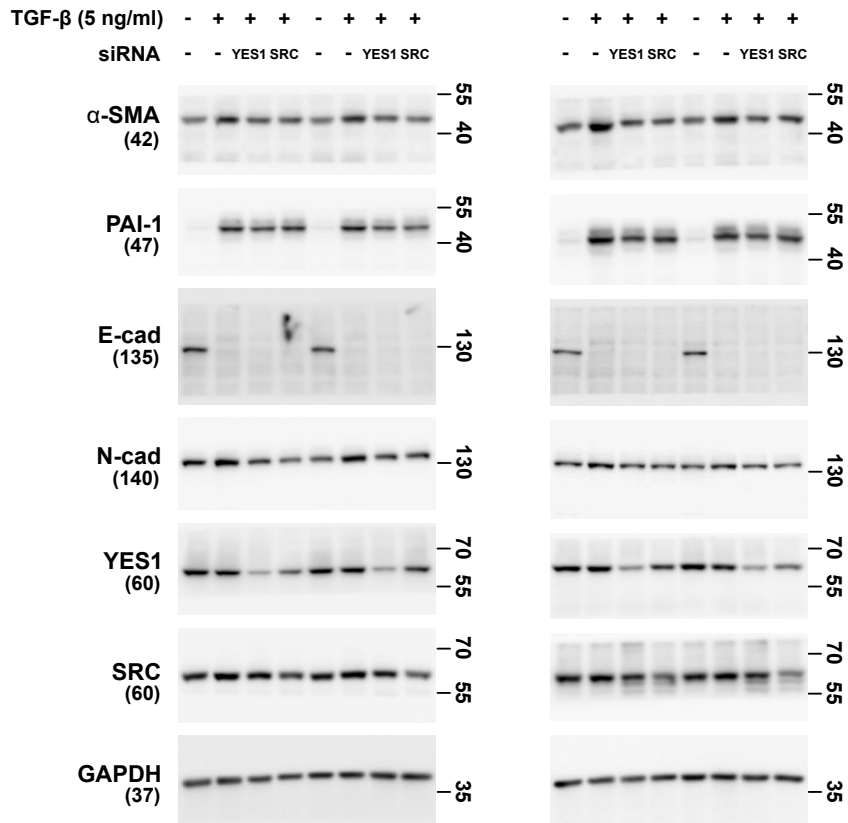


**Fig. 4I**

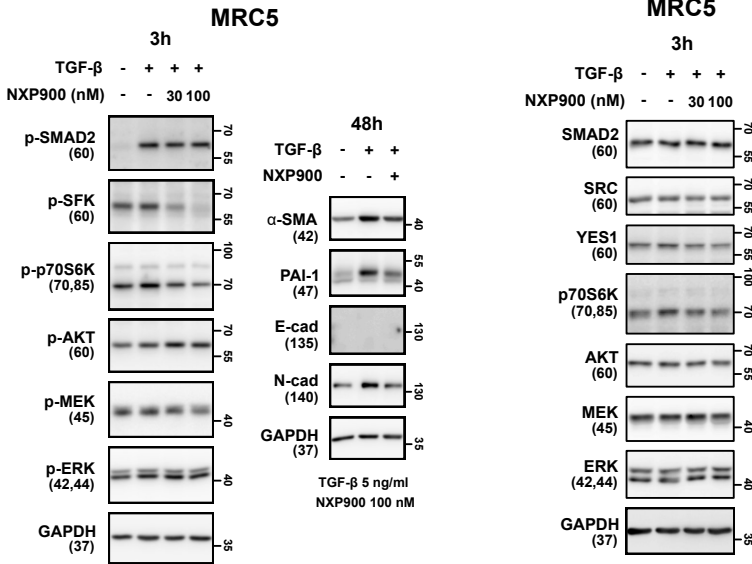
**BEAS-2B**



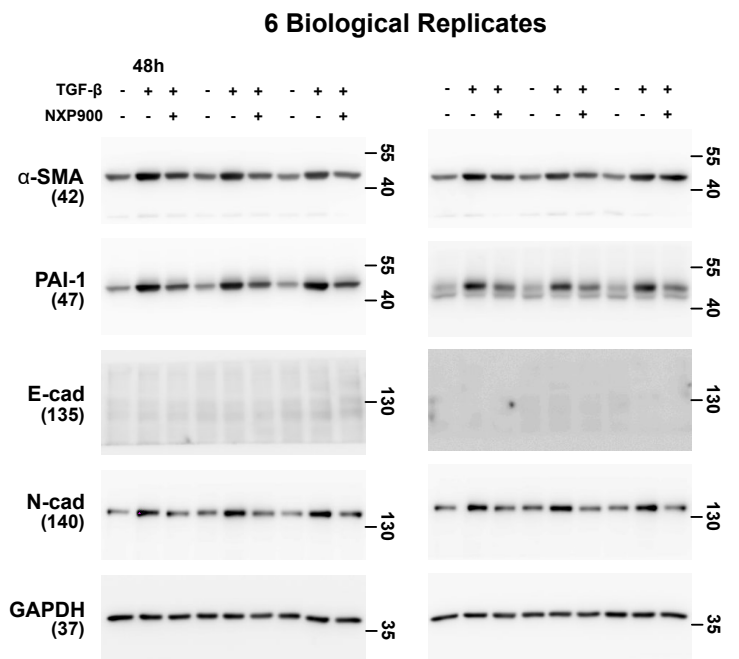
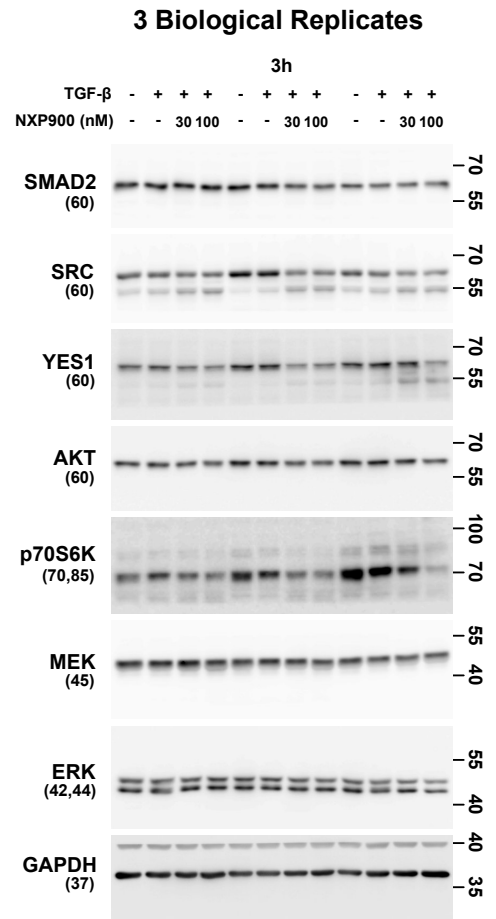
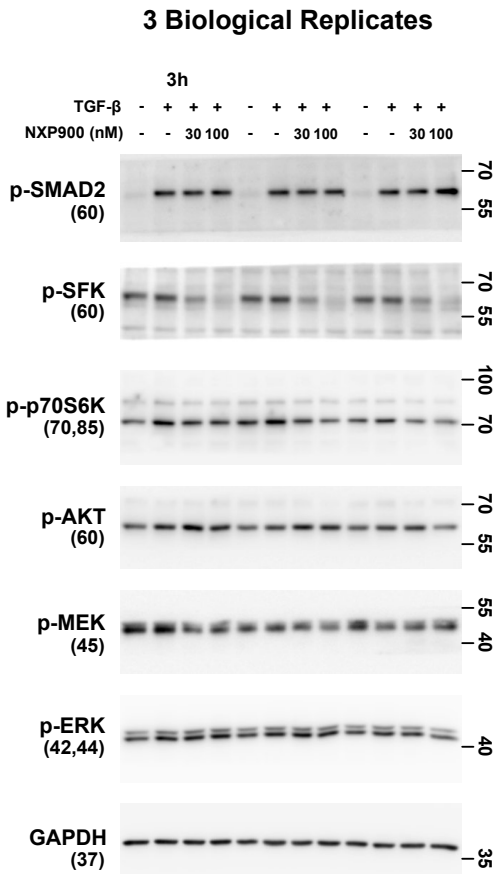
**4 Biological Replicates**



**Fig. 4J**

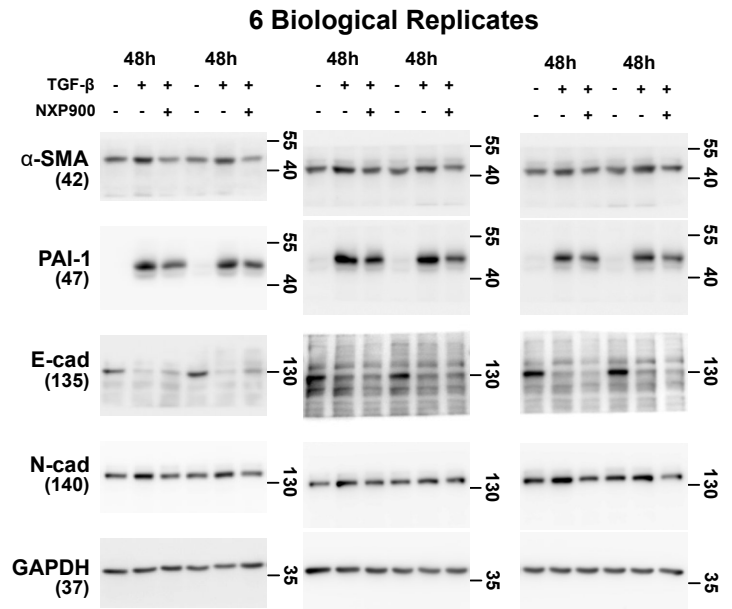
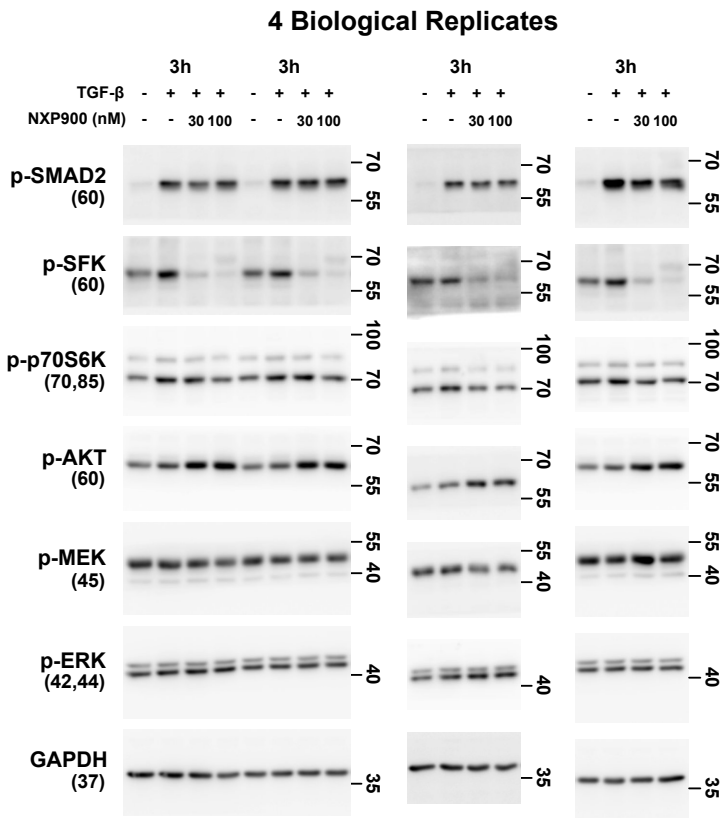
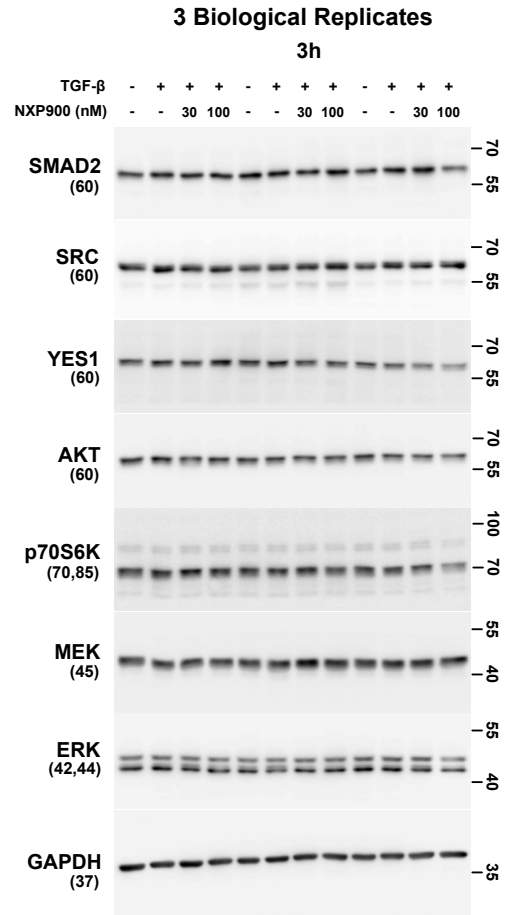
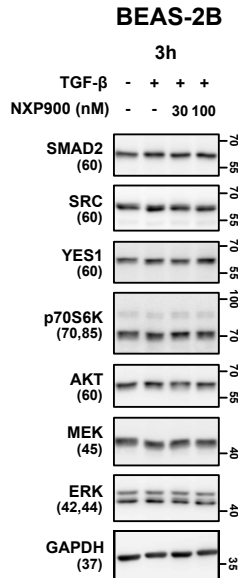
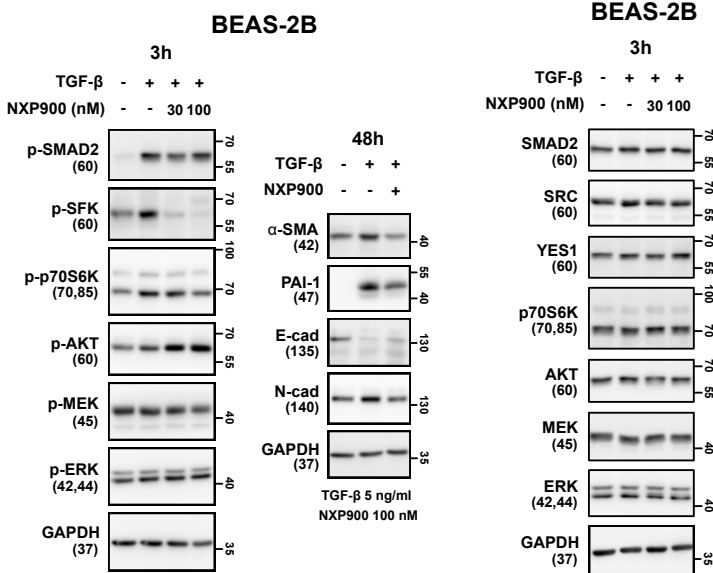


**Supplementary Fig. 11**



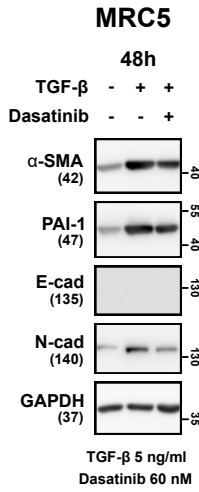
**Fig. 4K**

**Supplementary Fig. 11**

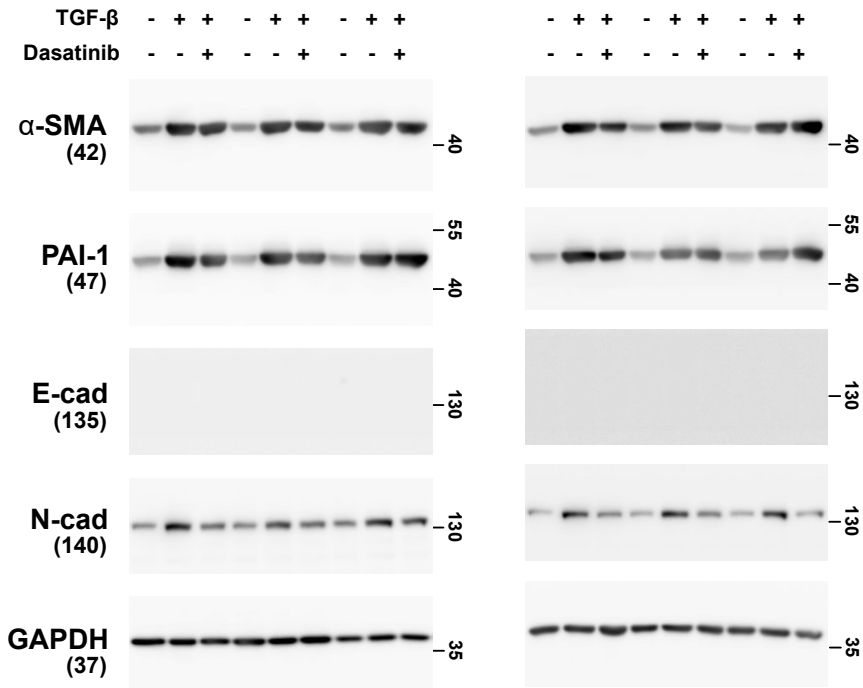




**Fig. 4L**

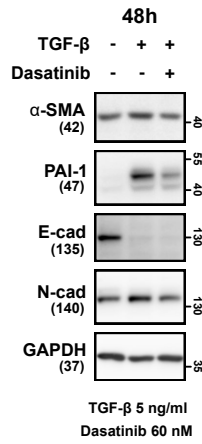


**6 Biological Replicates**

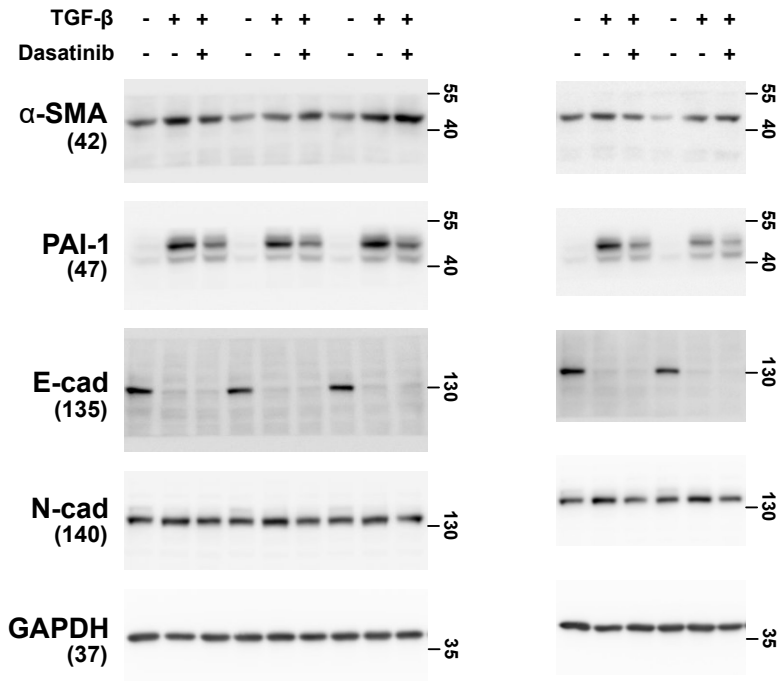


**Fig. 4M**

**BEAS-2B**

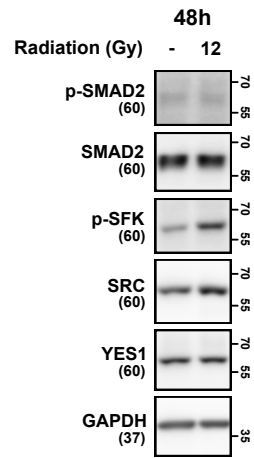


**5 Biological Replicates**

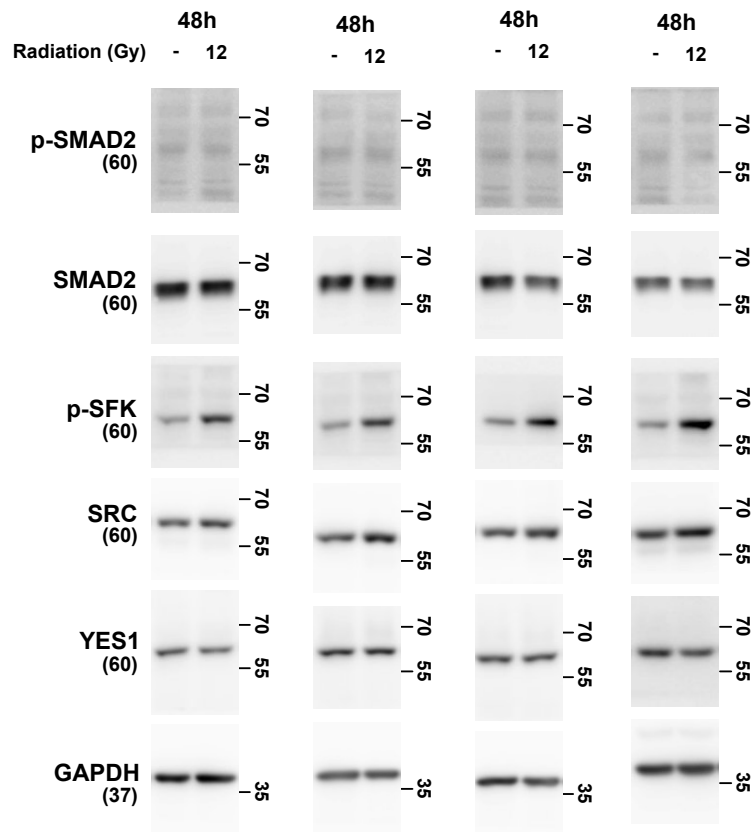


**Fig. 5B**

**BEAS-2B**

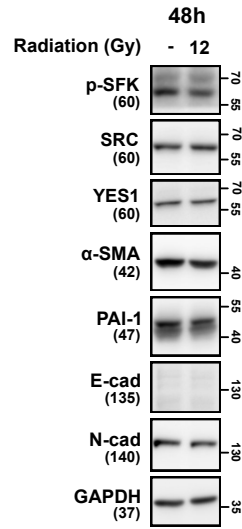


**4 Biological Replicates**

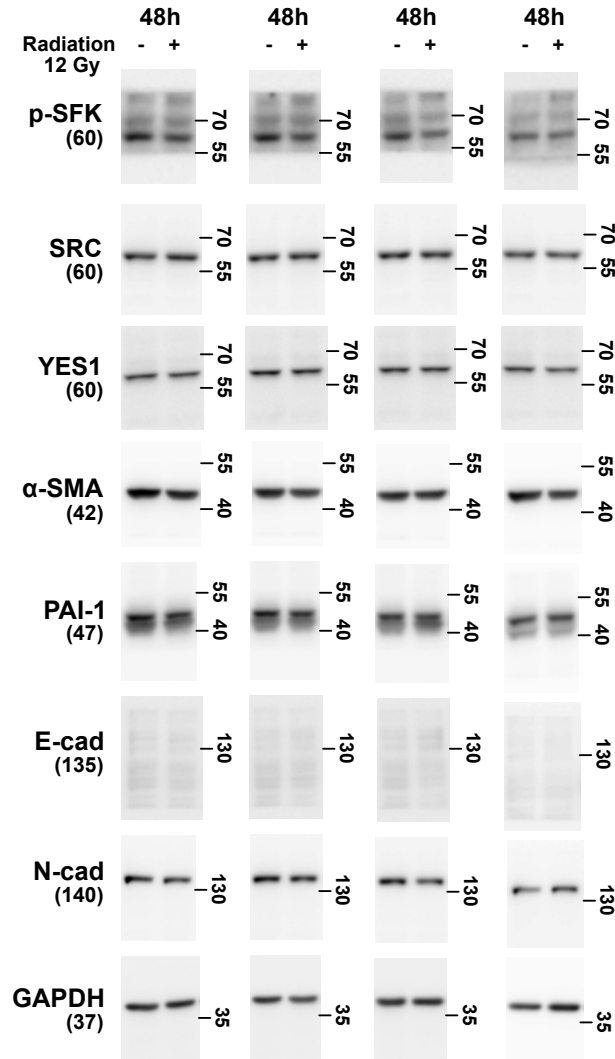


**Fig. 5C**

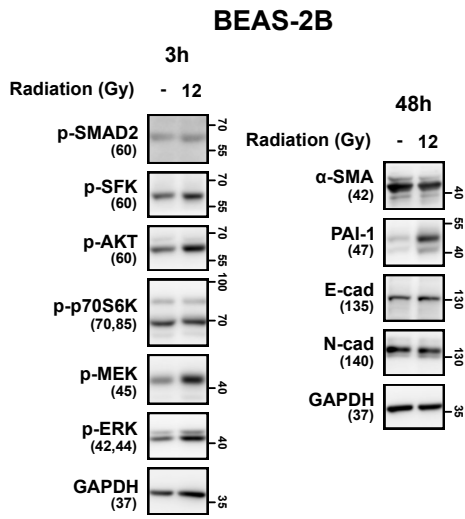
**MRC5**



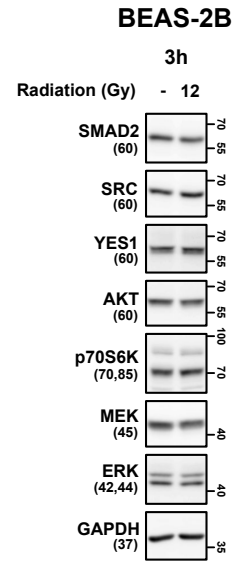
**4 Biological Replicates**



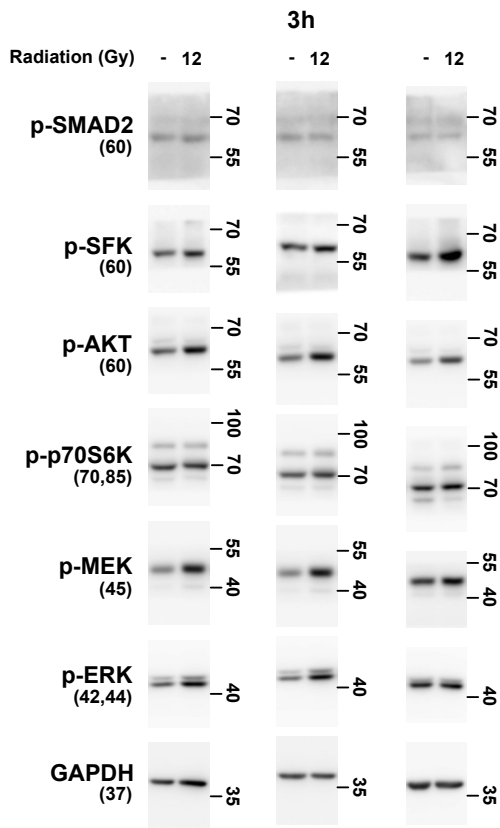
**Fig. 5D**



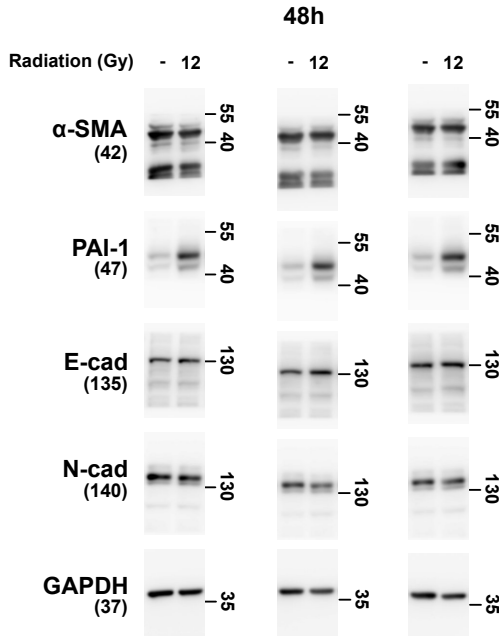
**Supplementary Fig. 11**



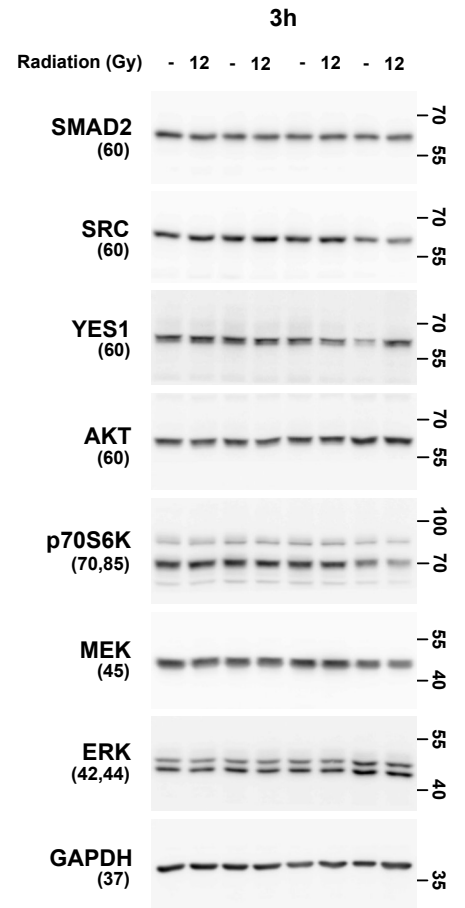
**3 Biological Replicates**



**3 Biological Replicates**

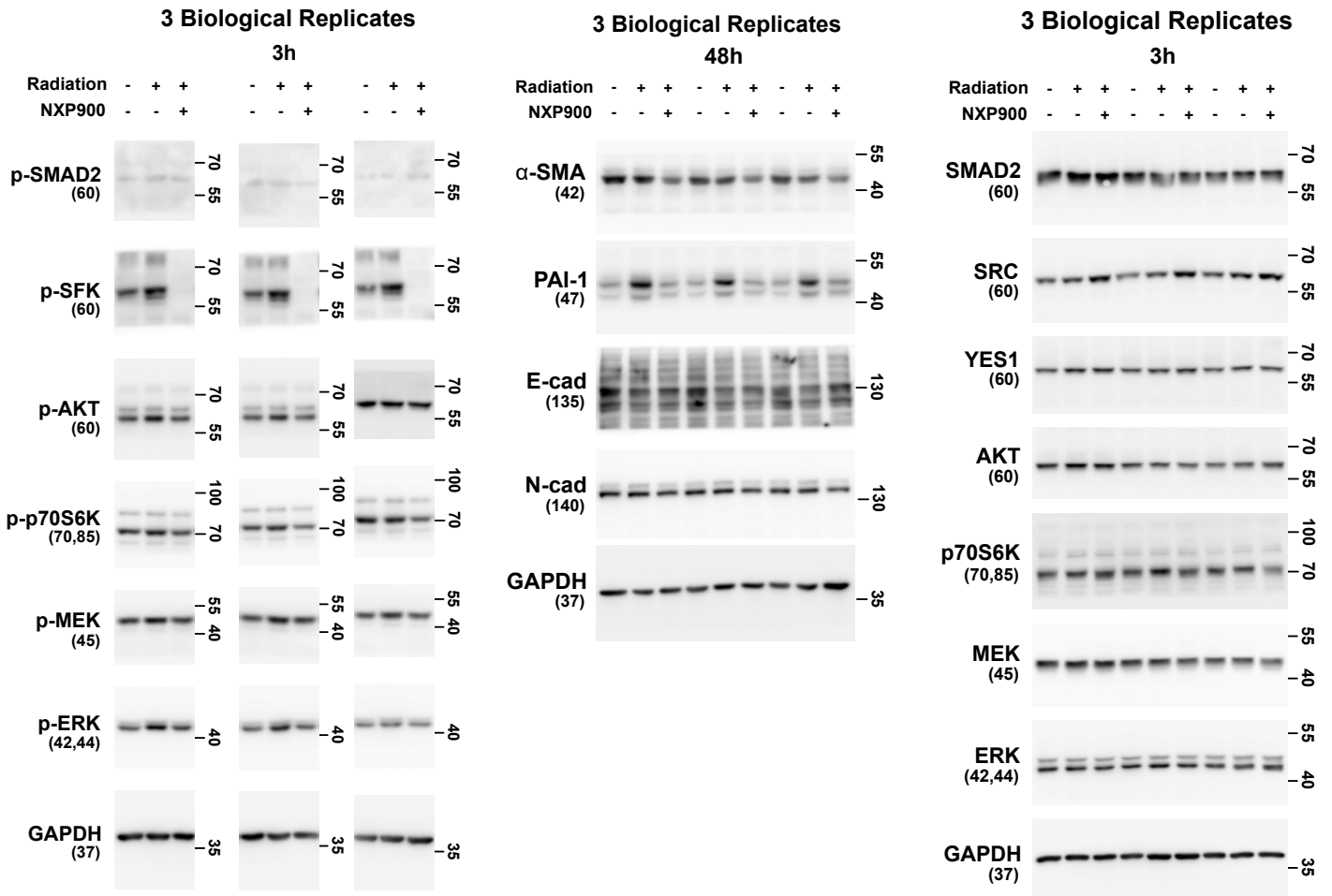
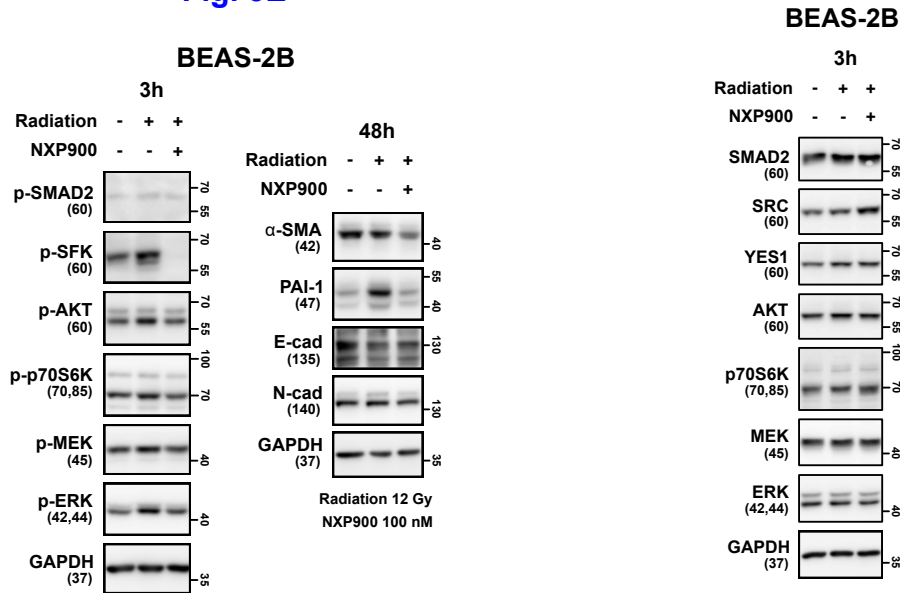


**4 Biological Replicates**

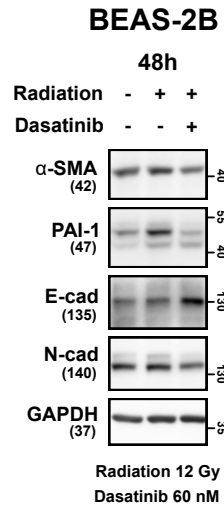


**Fig. 5E**

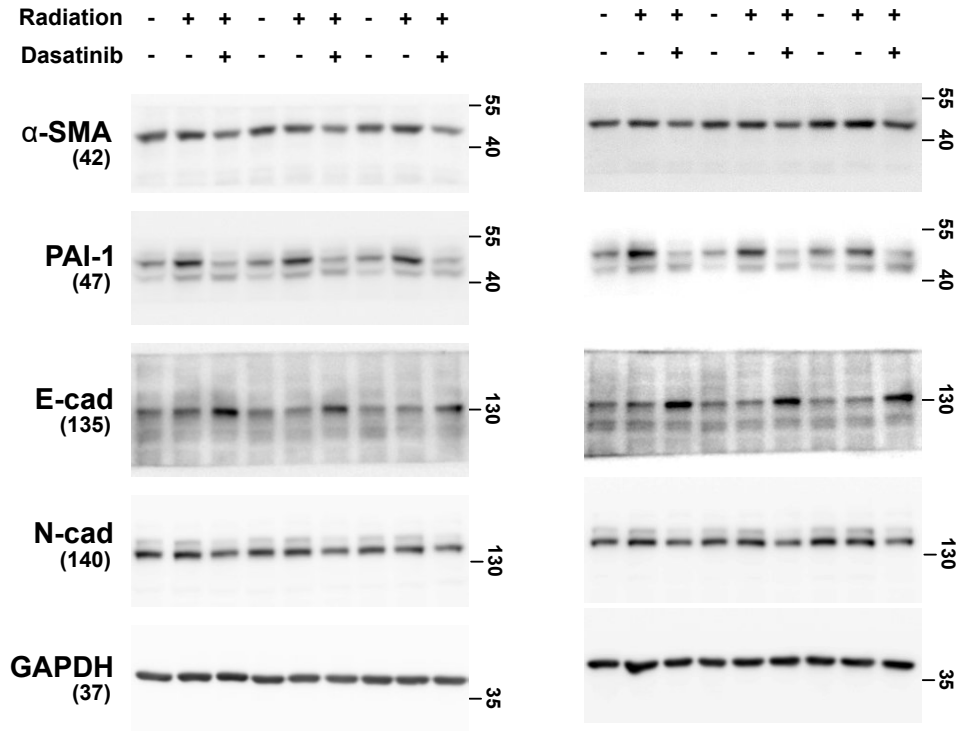
**Supplementary Fig. 11**



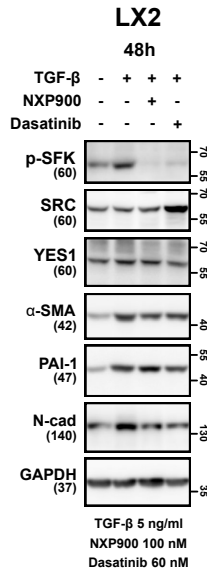
**Fig. 5F**



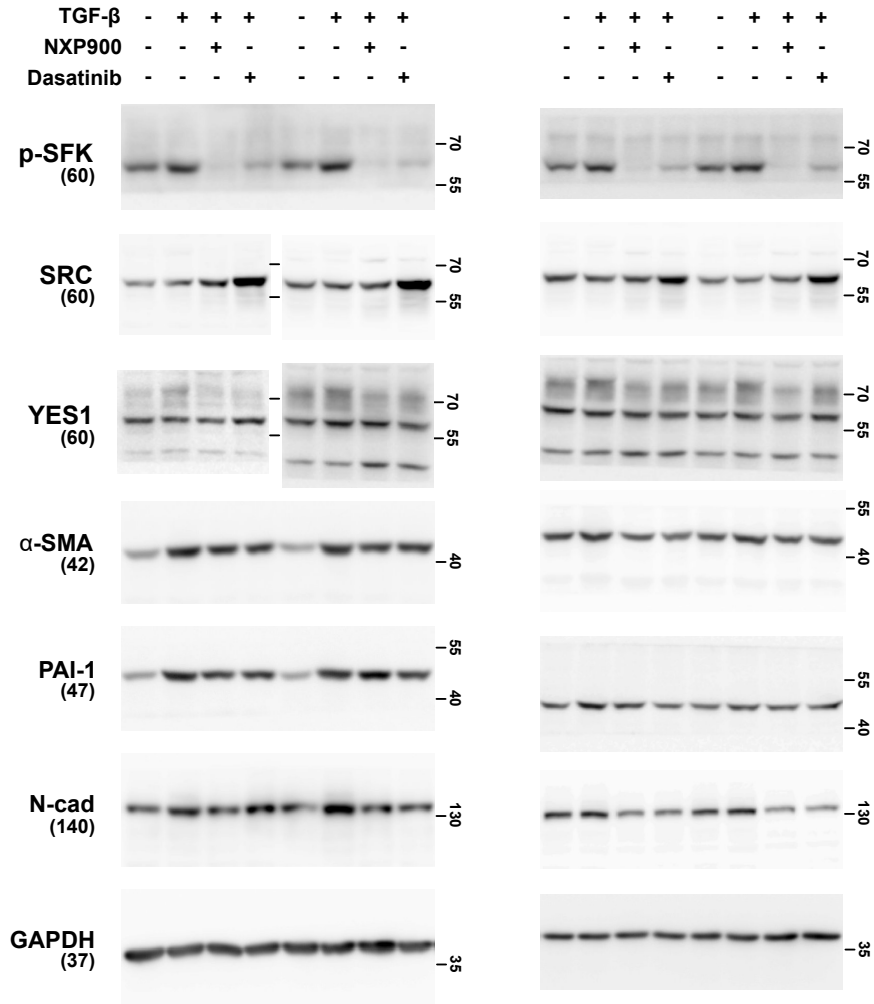
**6 Biological Replicates**



**Fig. 7J**

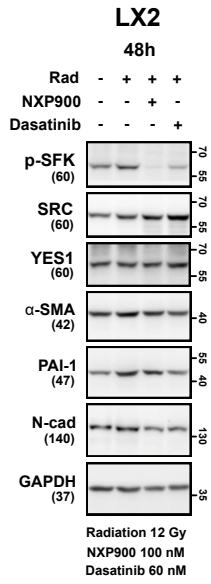


**4 Biological Replicates**

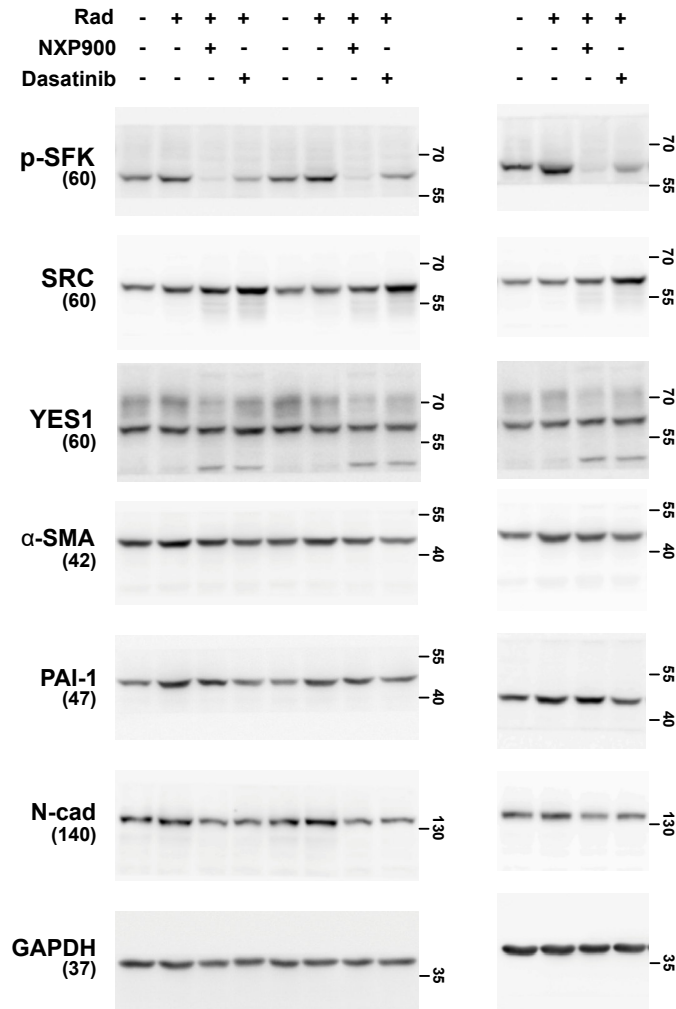




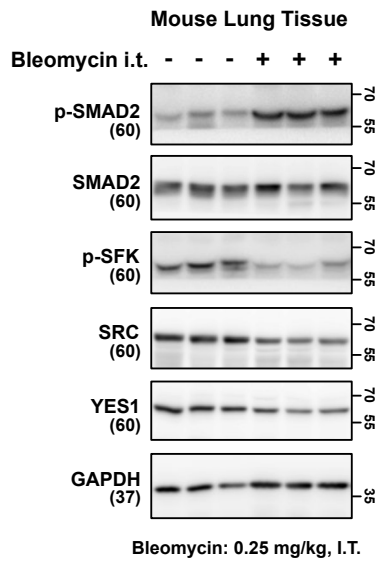
**Fig. 7K**



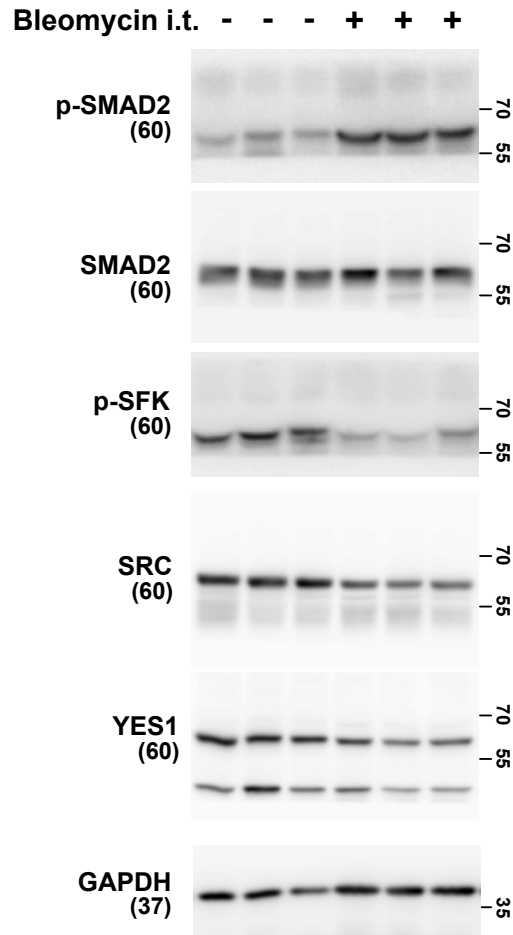
**3 Biological Replicates**



**Fig. 8G**

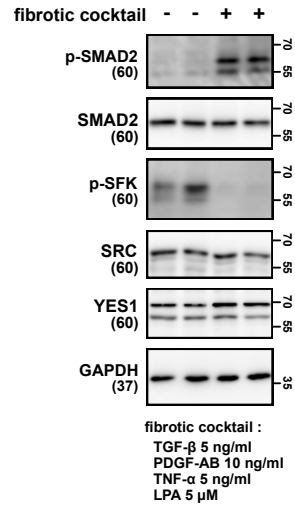


**3 Different Mouse Tissue**

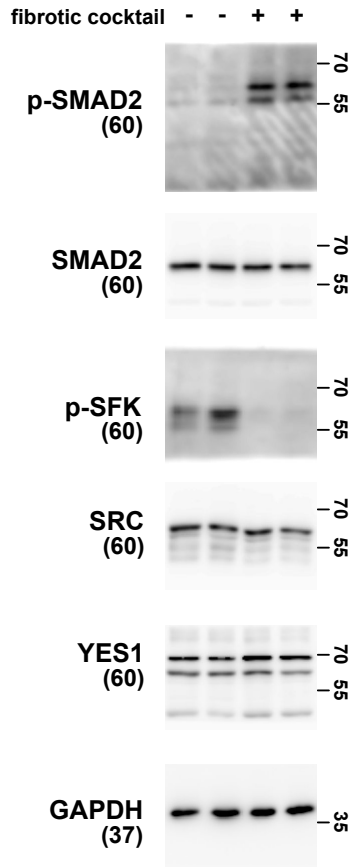


**Fig.8H**

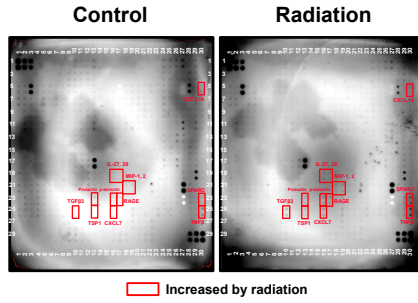
**Mouse Primary Lung Fibroblast**



**2 Different Mouse Primary Cell**

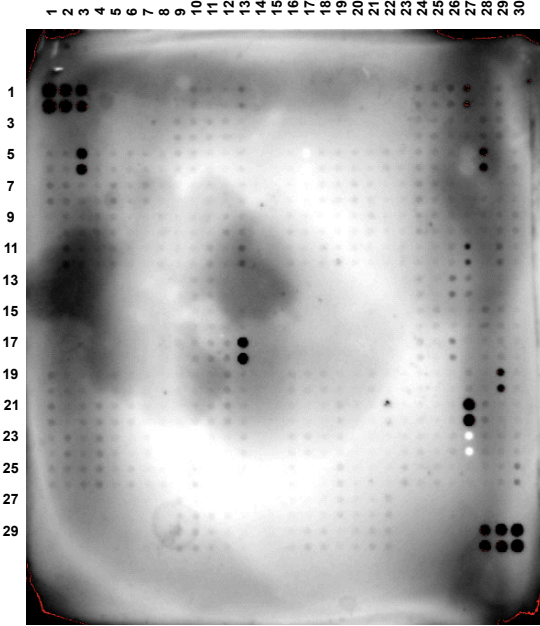


## Supplementary Fig. S5



Control

Radiation

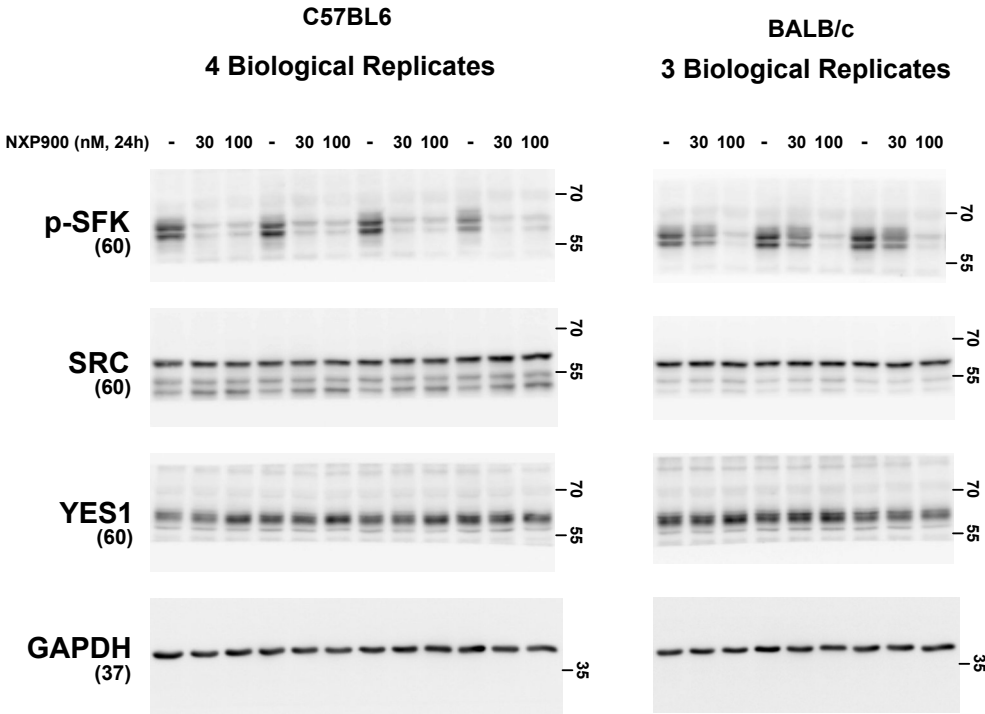
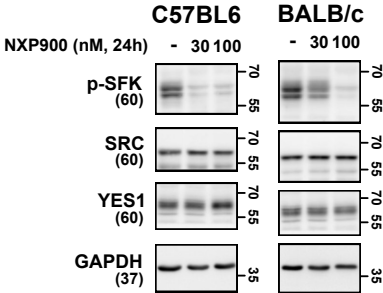


## VI. Antibody Array Target List

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank
2	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank
3	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank
4	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank
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Number	Name	Number	Name	Number	Name	Number	Name
1	ECline	63	OPIV	125	IGFBP-1	187	IL-28B
2	Activin A	64	DRB	126	IGFBP-2	188	IL-31
3	Activin C	65	Dsk	127	IGFBP-3	189	IL-31 RA
4	Activin R1B	66	EDAR	128	IGFBP-5	190	Insulin
5	Adiponectin	67	EGFR	129	IGFBP-6	191	Integrin beta-2
6	Angp	68	EG-VEGF	130	IGFBP-L1	192	ITAC
7	ANGAM	69	Endocan	131	IGF-1	193	GAG alpha
8	ANGPTL2	70	Endoglin	132	IGF-2	194	Kremen-1
9	ANGPTL3	71	Endostatin	133	IL-1 alpha	195	Kremen-2
10	Amphiregulin	72	Ephr	134	IL-1 beta	196	Lefty-1
11	Artemin	73	Eotaxin-2	135	IL-1 R4	197	Lefty-2
12	Axl	74	Epiqin	136	IL-1 R6	198	LEPtin
13	bFGF	75	Eprinegin	137	IL-1 R9	199	LEPtin
14	B7-1	76	Erythropoietin	138	IL-1 R1	200	LIGHT
15	BMPR-1	77	E-selectin	139	IL-1 R2	201	LIX
16	BCAM	78	FASD	140	IL-2	202	LBP-6
17	beta-Catenin	79	FASL	141	IL-3 alpha	203	L-selectin
18	BIC	80	Fas	142	IL-3 beta	204	Lymphotactin
19	Betacellulin	81	Fas Ligand	143	IL-3 gamma	205	Lumican
20	Cardiotrophin-1	82	Fc gamma R1B	144	IL-3 R alpha	206	LTRB
21	IL-1ra	83	FGF R3	145	IL-3 R beta	207	MAGEA1
22	CCL28	84	FGF R4	146	IL-4	208	MCP-1
23	MCP-1 beta	85	FGF R5 beta	147	IL-4 R	209	MCP-5
24	MCP-3	86	FGF-21	148	IL-5	210	M-CSF
25	MCP-2	87	FRS3 Ligand	149	IL-5 alpha	211	MDC
26	CCR9	88	FSL2	150	IL-6	212	MIP-1B
27	CCR8	89	Follistatin-like 1	151	IL-6 R	213	MIPR
28	CCR4	90	Fractalkine	152	IL-7	214	MIG
29	CCR6	91	Fritted-6	153	IL-7 R alpha	215	MIP-1 gamma
30	CCR7	92	Fritted-6	154	IL-9	216	MIP-1 alpha
31	CCR9	93	Fritted-7	155	IL-9 R	217	MIP-2
32	CD11b	94	Galactin-3	156	IL-10	218	MIP-3 alpha
33	CD14	95	GCSF	157	IL-10 R alpha	219	MIP-3 beta
34	CSP	96	GDF-1	158	IL-11	220	MMP-2
35	CD37	97	GDF-3	159	IL-12 p40	221	MMP-9
36	CD112 Ligand	98	GDF-5	160	IL-13 p70	222	MMP-13
37	CD30 Ligand	99	GDF-8	161	IL-13 R beta 1	223	MMP-12
38	CD30	100	GDF-9	162	IL-15	224	MMP-14
39	CD40	101	GFR alpha-2	163	IL-15 R alpha 2	225	MMP-24
40	CD40 Ligand	102	GFR alpha-3	164	IL-15	226	NRG3
41	Cerberus 1	103	GFR alpha-4	165	IL-15 R alpha	227	Neurturin
42	Chordin-like 2	104	GITR	166	IL-16	228	NGFR
43	IFN-gamma	105	GITR Ligand	167	IL-17A	229	NOV
44	IL-2 gamma	106	GMP-13	168	IL-17 RB	230	Osteonectin
45	IFN-gamma	107	GMP-13	169	IL-17C	231	Osteopontin
46	Cripto-1	108	Gransyme B	170	IL-17D	232	Osteopontin
47	Crossveinless-2	109	Gransyme D	171	IL-17E	233	OX40 Ligand
48	Cryptic	110	Gransyme G	172	IL-17F	234	PDGF-C
49	CSK	111	Gremlin-1	173	IL-17 RA	235	PDGF R alpha
50	CTACK	112	GHR	174	IL-17 RC	236	PDGF R beta
51	CTLA-4	113	HGF	175	IL-17 RD	237	Pentaxin-3
52	CXCL14	114	HGF	176	IL-18 R alpha	238	PF4
53	CXCL16	115	HVEM	177	IL-20	239	PGI2-1
54	CXCR2	116	ICAM-1	178	IL-20 R alpha	240	Podoplanin
55	CXCR3	117	ICAM-2	179	IL-21	241	Prokinectin
56	CXCR4	118	ICAM-5	180	IL-21 R	242	P-Selectin
57	CXCR6	119	ICAM	181	IL-22	243	RAGE
58	EGF	120	IFN-alpha/beta R1	182	IL-22BP	244	RANTES
59	Decorin	121	IFN-alpha/beta R2	183	IL-23	245	RAMBETA3
60	DKK-1	122	IFN-gamma	184	IL-23 R	246	Resistin
61	DK-3	123	IFN-gamma	185	IL-24	247	S100A10
62	DK-4	124	IFN-gamma R1	186	IL-27	248	SCF

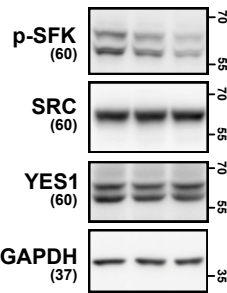
Supplementary Fig. S6B



## Supplementary Fig. S6G

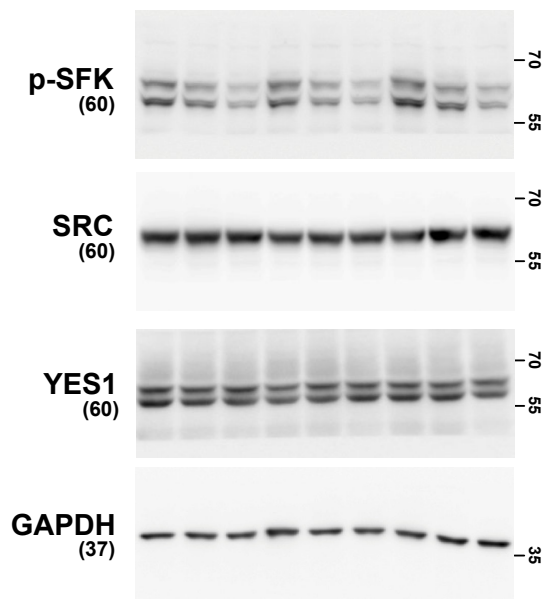
### THP1+PMA

NXP900 (nM) - 30 100

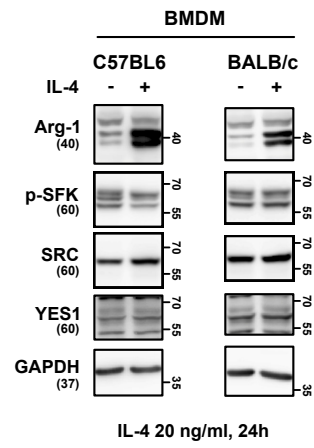


### 3 Biological Replicates

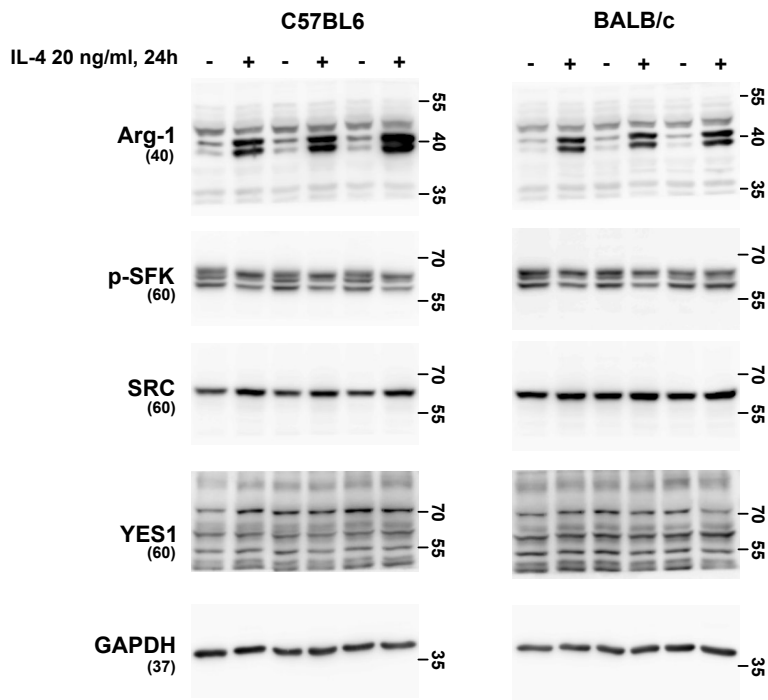
NXP900 (nM) - 30 100 - 30 100 - 30 100



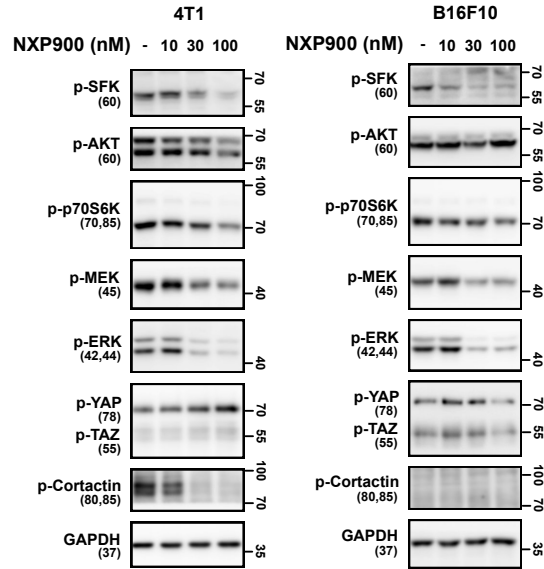
## Supplementary Fig. S6J



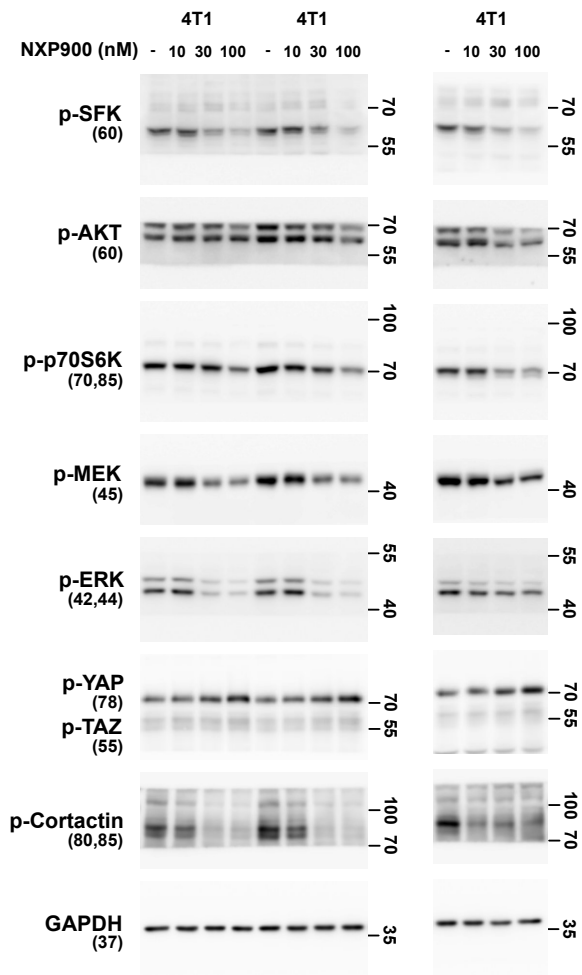
### 3 Biological Replicates



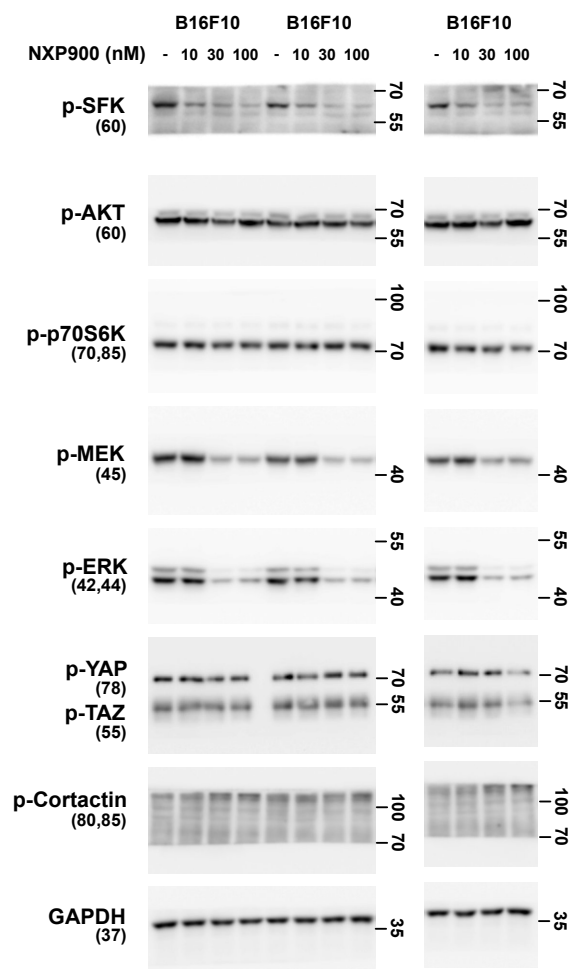
## Supplementary Fig. S8E



### 3 Biological Replicates

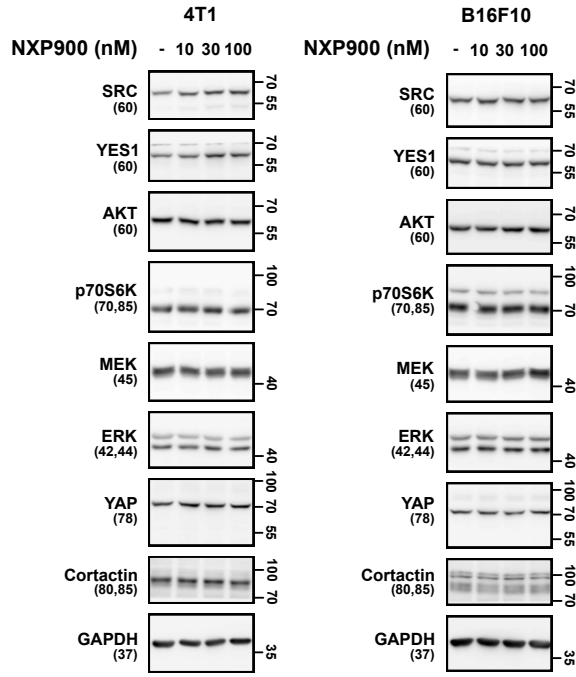


### 3 Biological Replicates

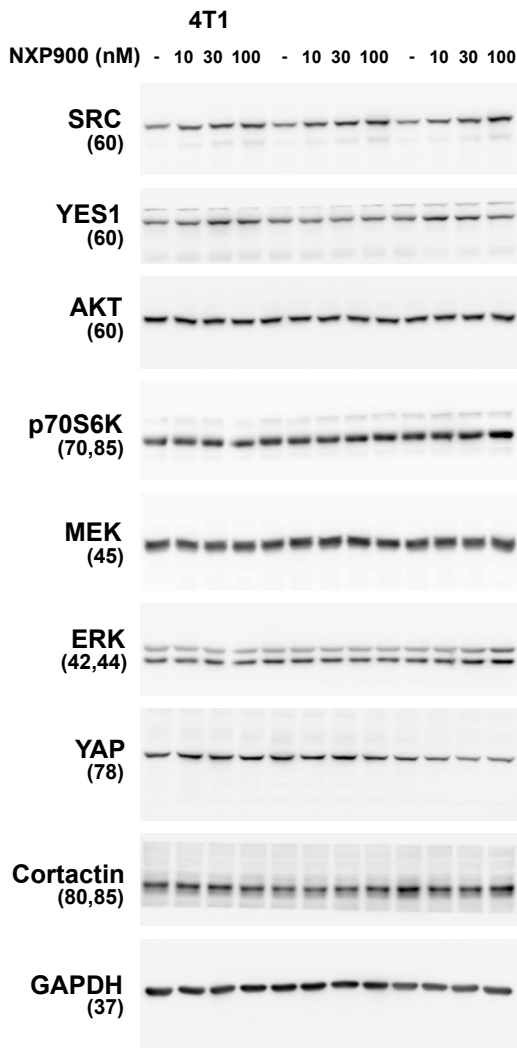




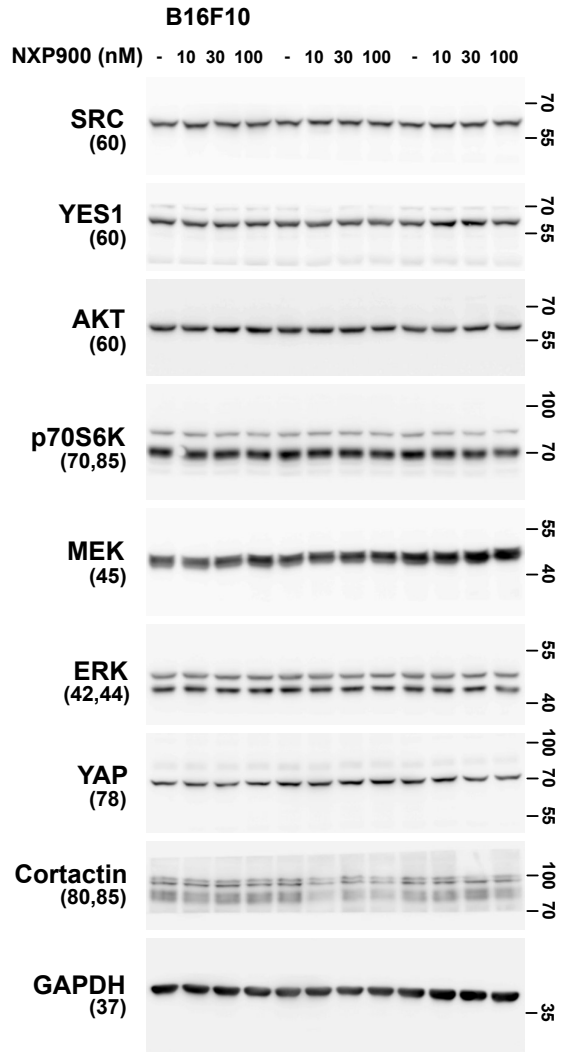
# Supplementary Fig. S8F



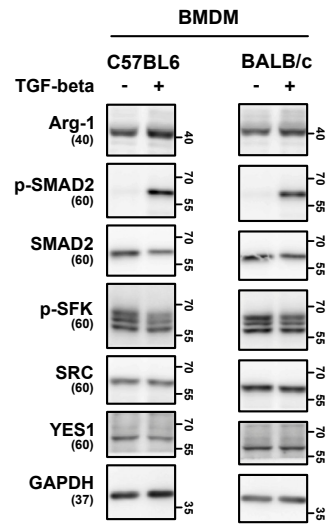
## 3 Biological Replicates



## 3 Biological Replicates



## Supplementary Fig. S6I



### 3 Biological Replicates

