

Original data of qPCR

Fig.3B

Exp1		Tlr9	cGas	Sting	Irf3
	WT	1	1	1	1
	Piezo1-/-	0.5209552	0.435104734	0.5674416	0.5361045
Exp2		Tlr9	cGas	Sting	Irf3
	WT	1	1	1	1
	Piezo1-/-	0.6399445	0.524167125	0.64246214	0.6375395
Exp3		Tlr9	cGas	Sting	Irf3
	WT	1	1	1	1
	Piezo1-/-	0.4207694	0.37329522	0.54424074	0.4629273
Average		Tlr9	cGas	Sting	Irf3
	WT	1	1	1	1
	Piezo1-/-	0.527223	0.444189026	0.58471483	0.5455238
Sd		Tlr9	cGas	Sting	Irf3
	WT	0	0	0	0
	Piezo1-/-	0.1097219	0.07584508	0.05133843	0.0876863

Fig.4B

Exp1		Cxcr1	Sirt1	Sirt2	Hif1a	Hif1b	Pad4
	WT	1	1	1	1	1	1
	Piezo1-/-	0.828144512	0.781869941	0.4337335	0.4789139	0.93066659	0.345139
Exp2		Cxcr1	Sirt1	Sirt2	Hif1a	Hif1b	Pad4
	WT	1	1	1	1	1	1
	Piezo1-/-	0.945040045	0.862404905	0.4964624	0.5193778	0.96851976	0.355685
Exp3		Cxcr1	Sirt1	Sirt2	Hif1a	Hif1b	Pad4
	WT	1	1	1	1	1	1
	Piezo1-/-	0.749543384	0.790584996	0.3704149	0.43567	0.88340346	0.2597257
Aveage		Cxcr1	Sirt1	Sirt2	Hif1a	Hif1b	Pad4
	WT	1	1	1	1	1	1
	Piezo1-/-	0.840909314	0.811619947	0.4335369	0.4779872	0.92752994	0.3201832
SD		Cxcr1	Sirt1	Sirt2	Hif1a	Hif1b	Pad4
	WT	0	0	0	0	0	0
	Piezo1-/-	0.098371446	0.044196402	0.063024	0.0418616	0.04264476	0.0526226

Fig.5C

PAD4							
		Exp1		Exp2		Exp3	
	WT-Veh	1		1		1	
	KO-Veh	0.352915		0.380894		0.324916	
	WT-Ruth	0.956607		1.046023		0.763918	
	KO-Ruth	0.419681		0.340638		0.467699	
Aveage		SD					
	WT-Veh	1			WT-Veh	0	
	KO-Veh	0.352908			KO-Veh	0.027989	
	WT-Ruth	0.922183			WT-Ruth	0.144169	
	KO-Ruth	0.409339			KO-Ruth	0.064159	

Western blot of uncropped images of whole membranes

Fig.1D

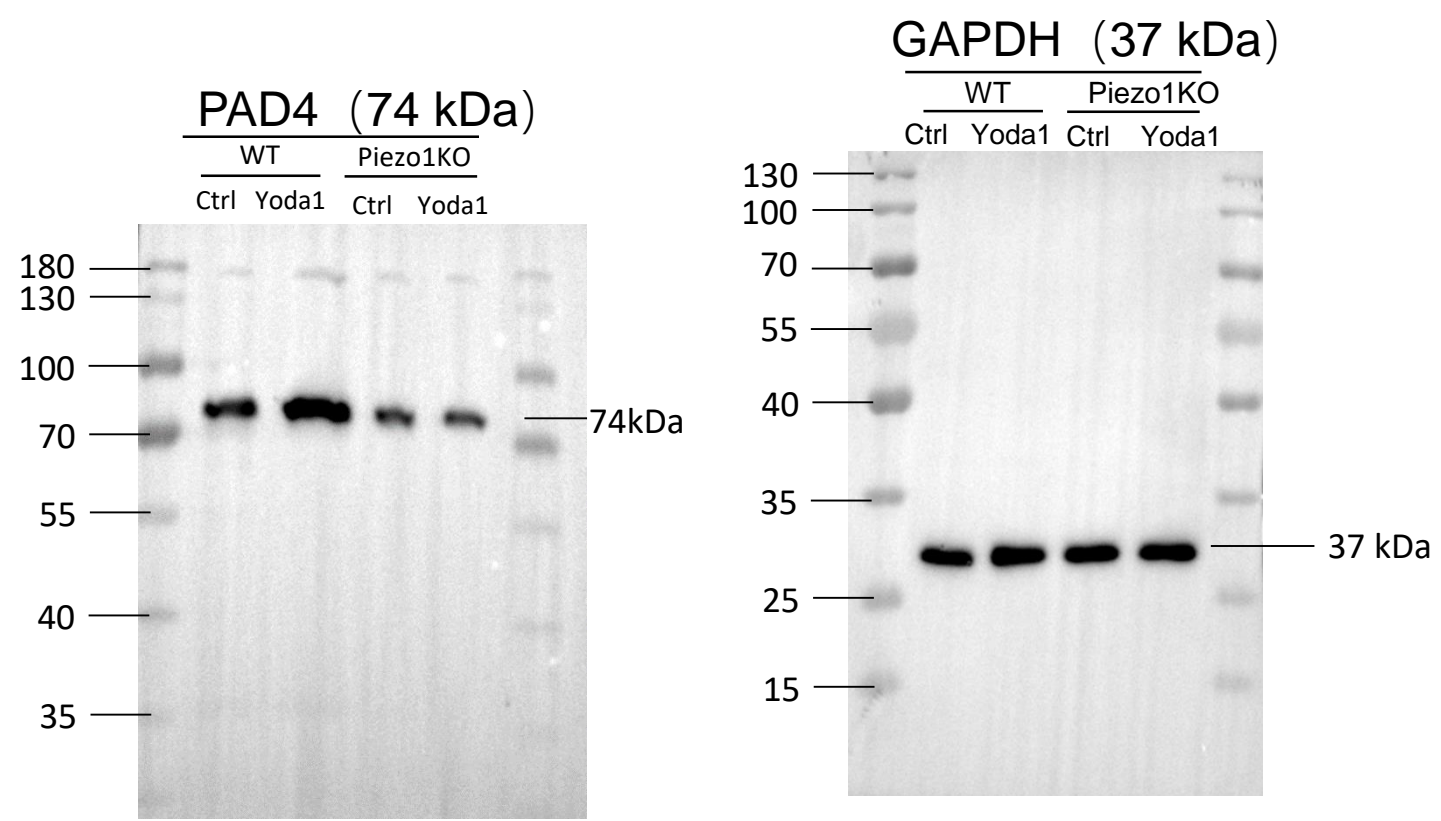
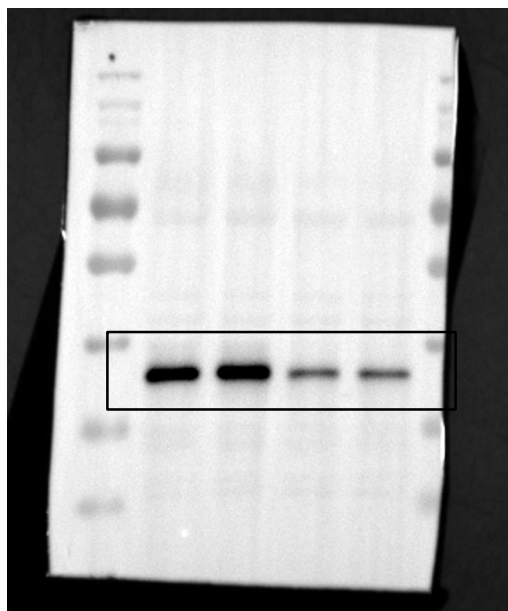


Fig.3C

Western blot
Organ: lung

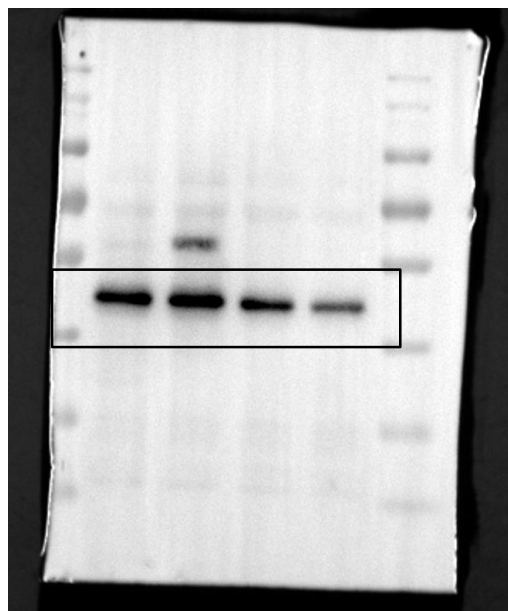
Sting (40 kDa)

WT *Piezo1*^{-/-}



IRF3 (50 kDa)

WT *Piezo1*^{-/-}



β -actin (42 kDa)

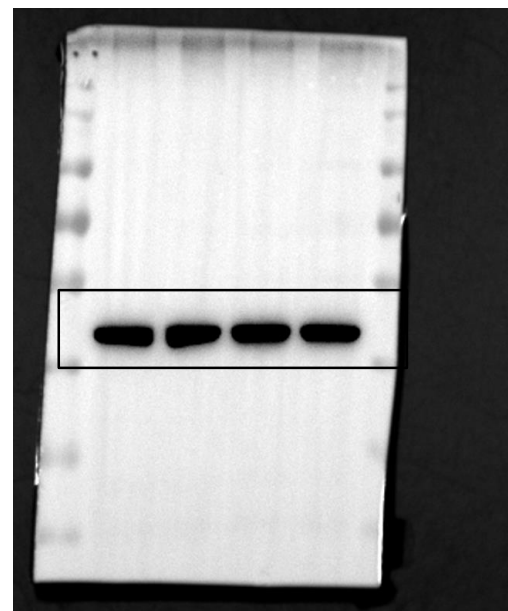


Fig.4C

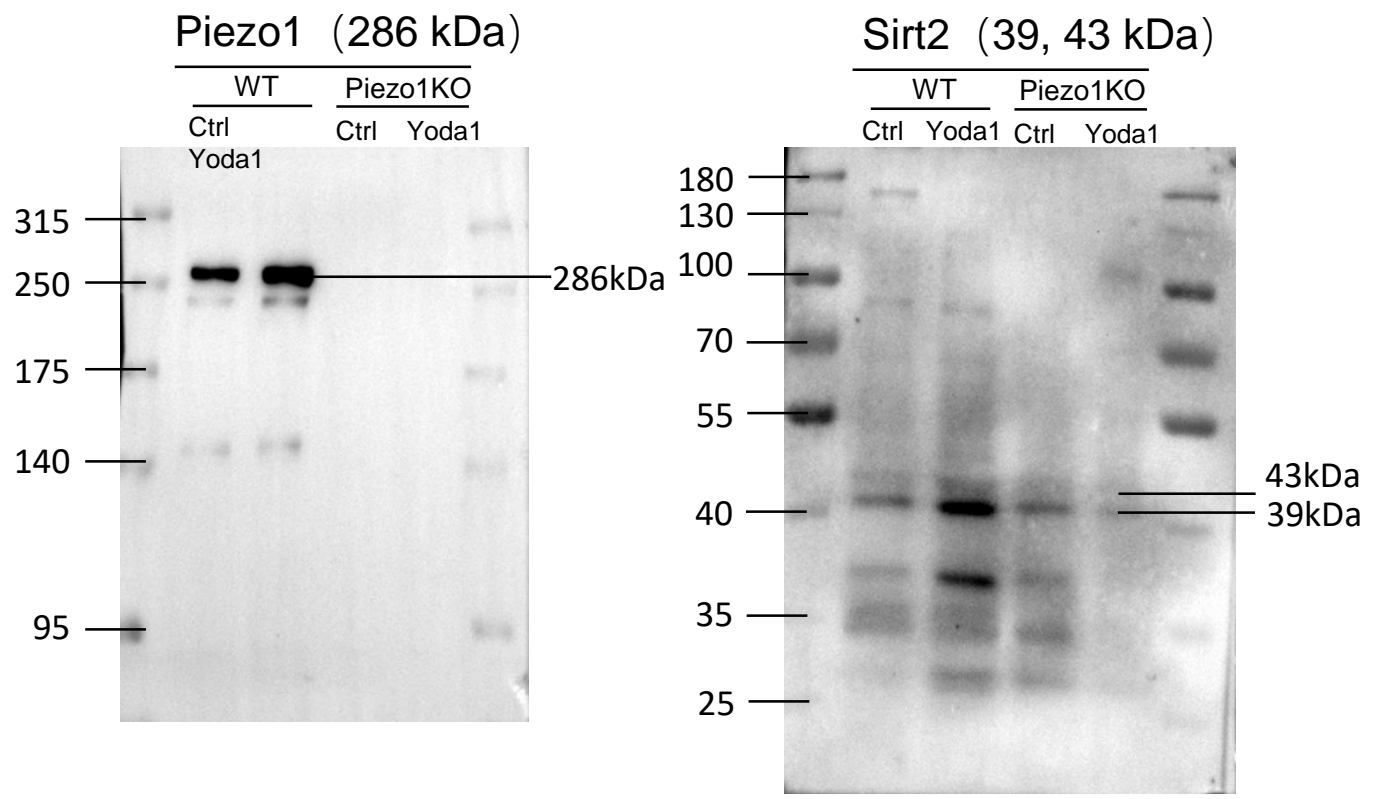


Fig.4C

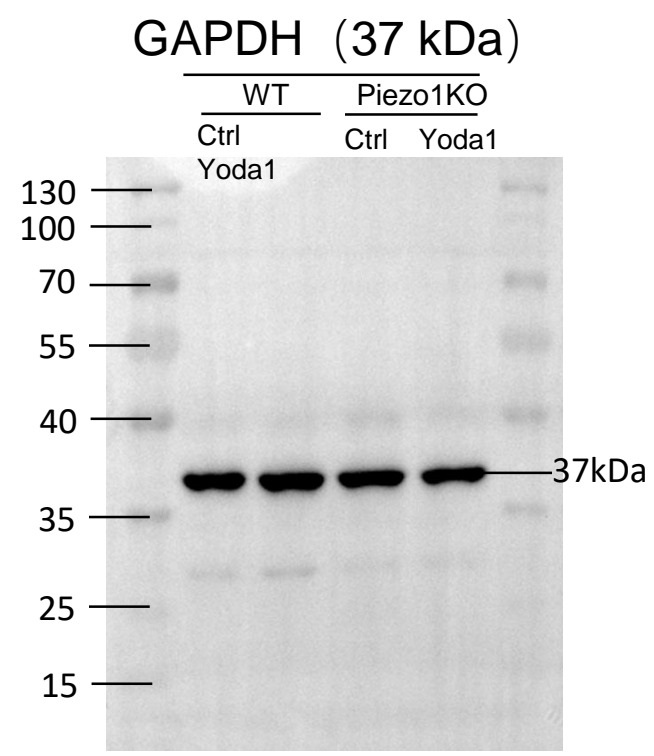


Fig.4G

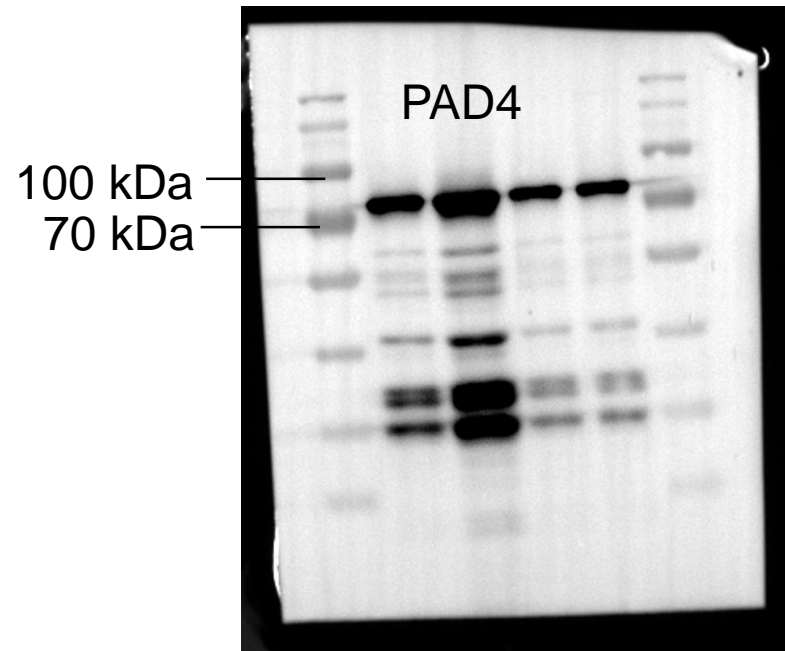
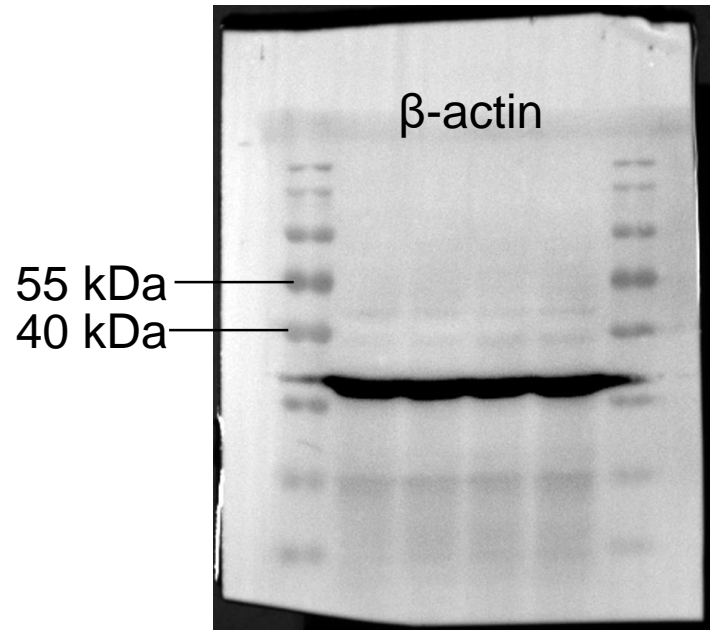


Fig.5G

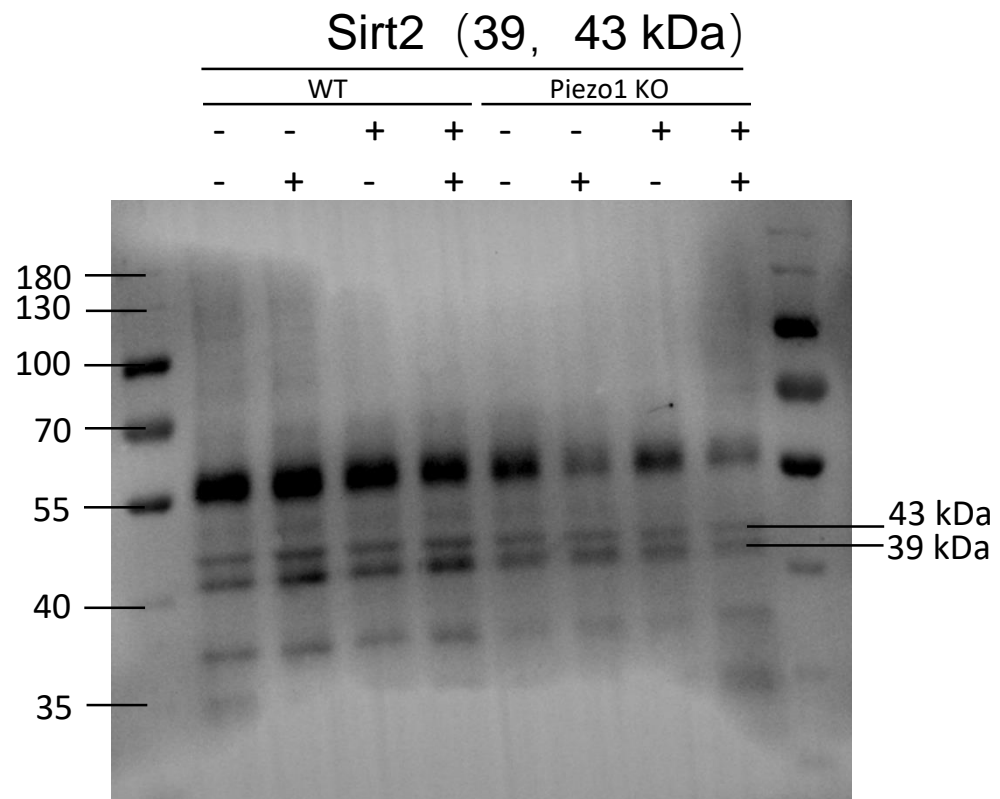


Fig.5G

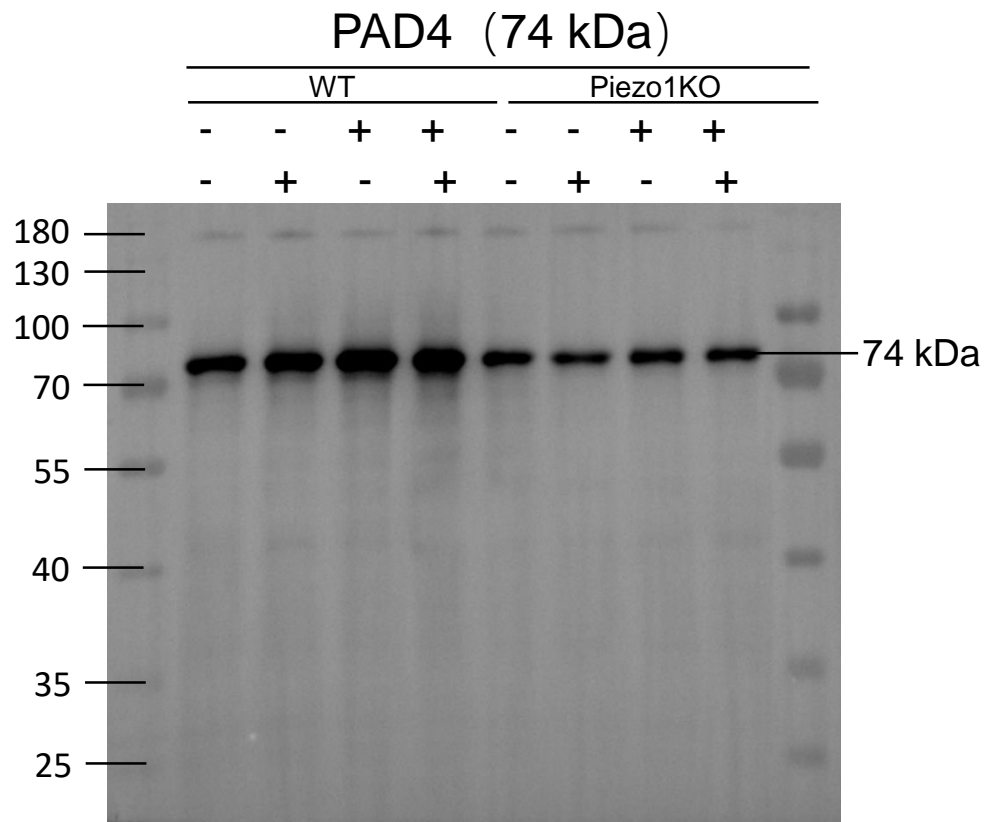


Fig.5G

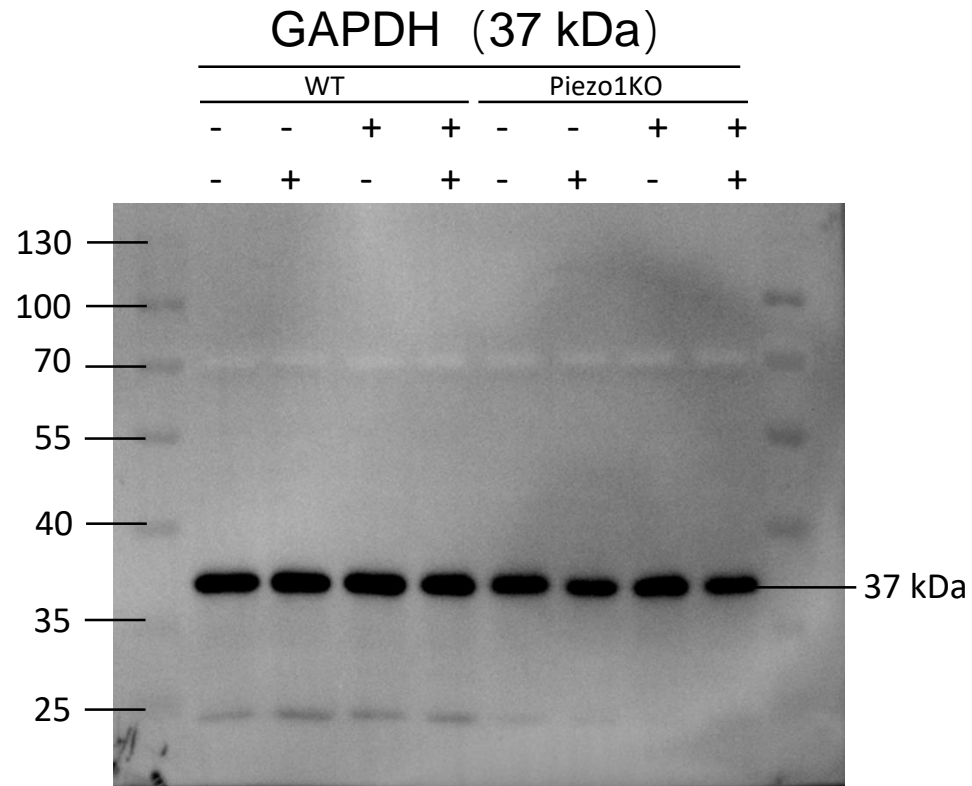


Fig.7C

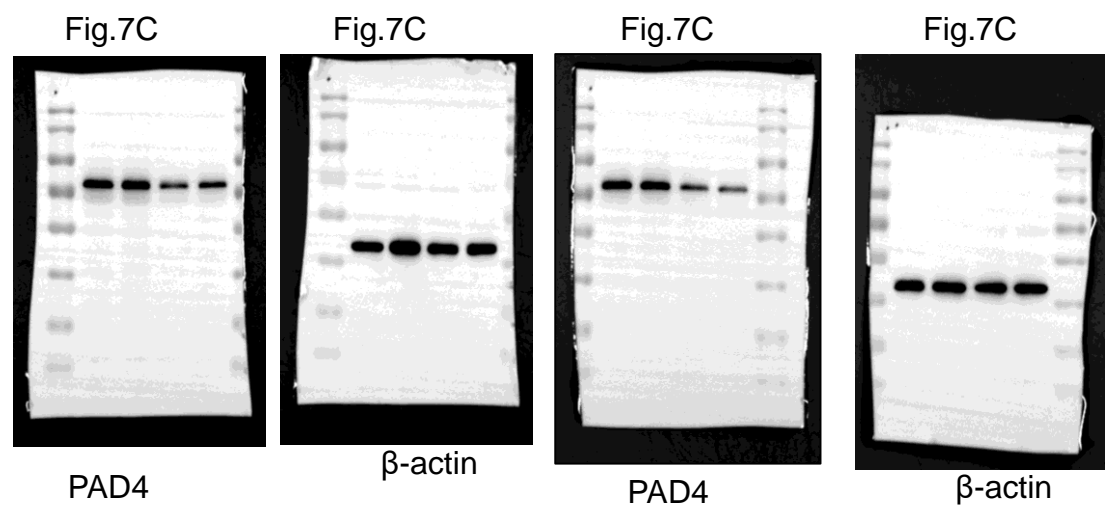
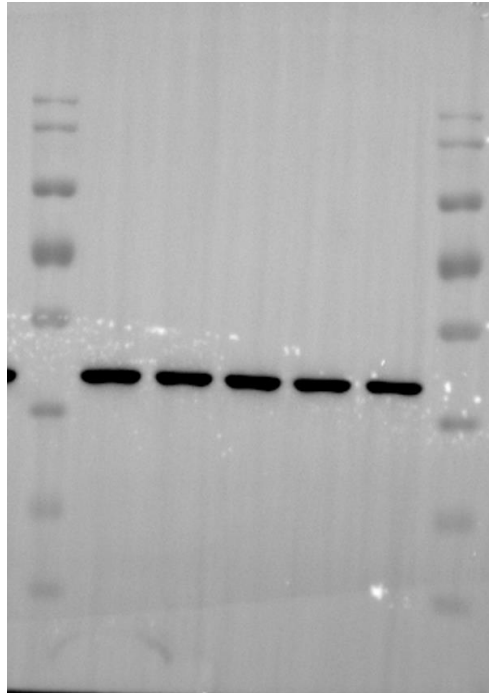


Fig.S2E

β -Actin



PAD4

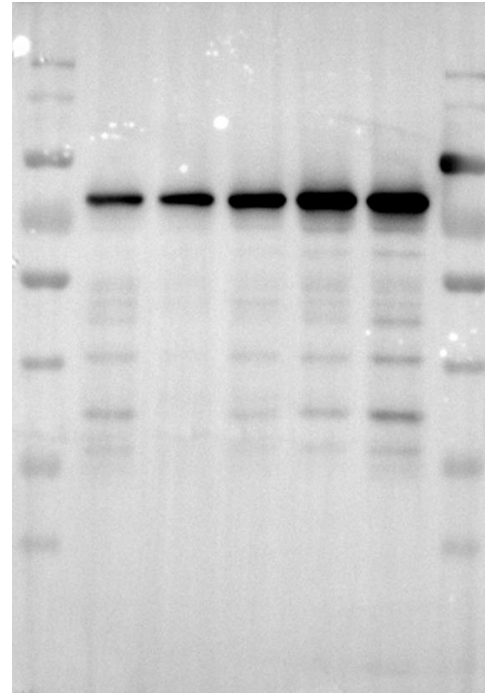


Fig.S4C

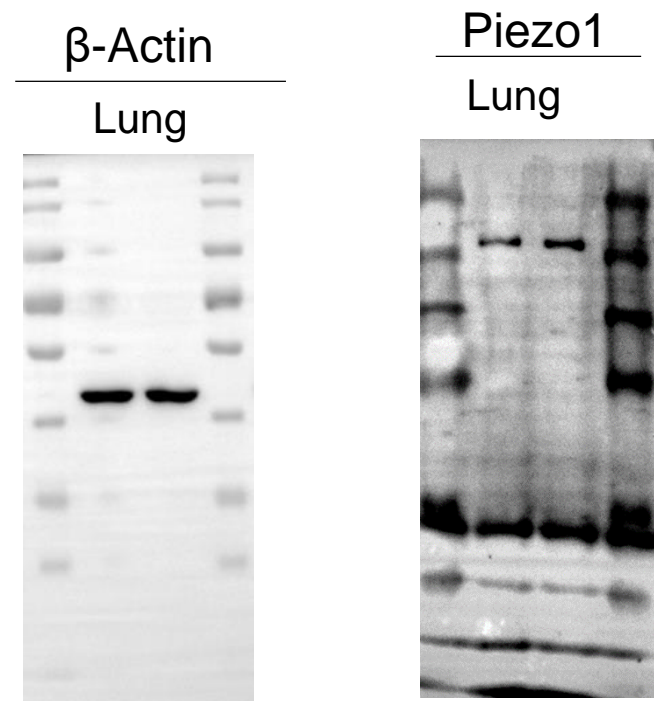
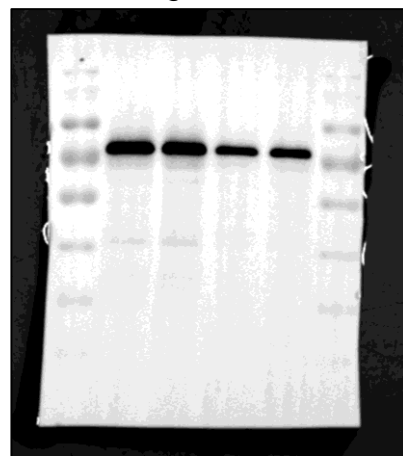
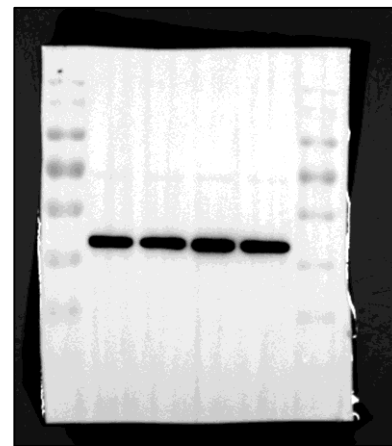


Fig.S6C



PAD4

Fig.S6C



β -actin

Fig.S11A

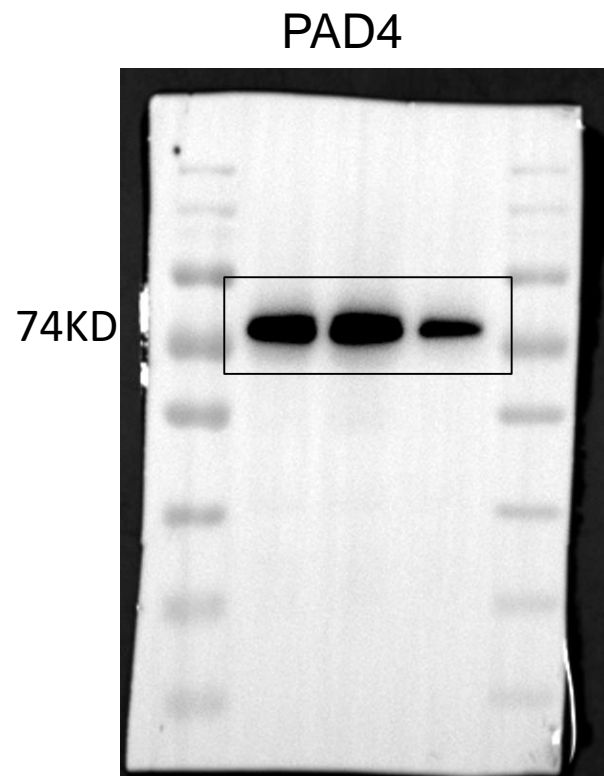
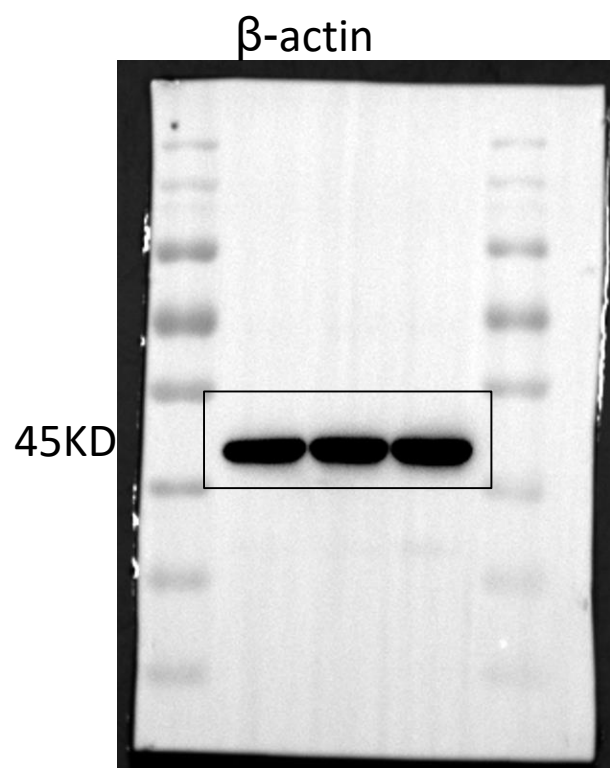
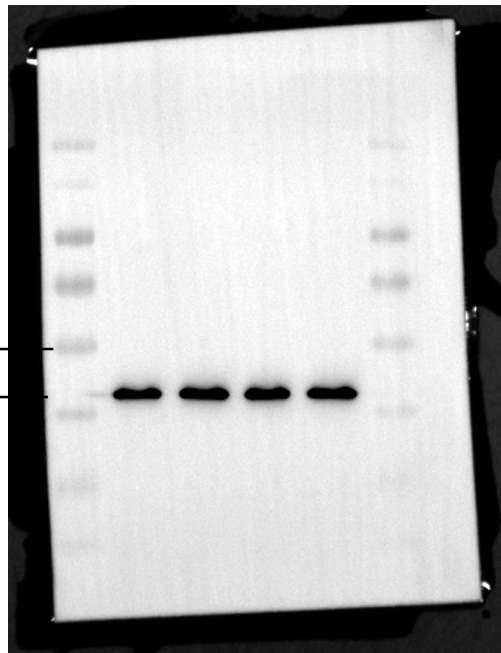


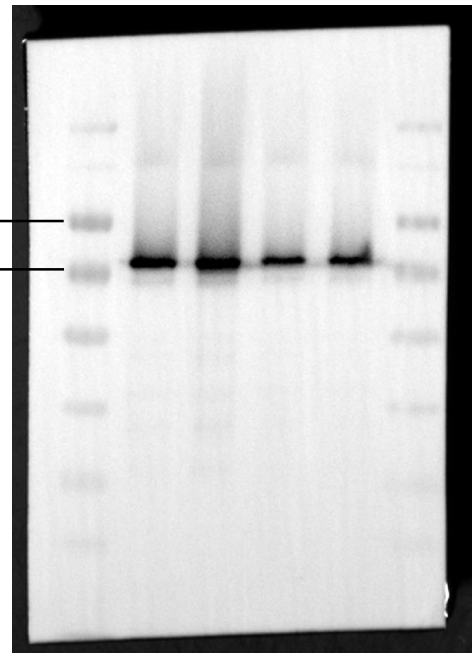
Fig.S14C

β -actin



55 kDa
40 kDa

PAD4



100 kDa
70 kDa