

Table S1 Primer sequence in this study.

Primer	Sequence(5'-3')	Sequence(3'-5')
GAPDH	F: CCTCGTCCCGTAGACAAAATG	R: TGAGGTCAATGAAGGGGTCGT
IL-1 $\beta$	F: AGGCTCCGAGATGAACAACAAA	R: GTGCCGTCTTTCATTACACAGGA
Bax	F: GCCTTTTTGCTACAGGGTTTCAT	R: TATTGCTGTCCAGTTCATCTCCA
Bcl-2	F: TGACTIONTCTCTCGTCGCTACCGT	R: CCTGAAGAGTTCCTCCACCACC
Caspase 3	F: TGGAATGTCATCTCGCTCTGGT	R: GAAGAGTTTCGGCTTTCAGTC
Caspase 8	F: CTTGAAGGAAGGGAAGAGTTGC	R: CACTGTCTTGTTCTCTTGCCGA
IL-6	F: CCCAATTTCCAATGCTCTCC	R: CGCACTAGGTTTGCCGAGTA
TNF- $\alpha$	F: CCCTCACACTCACAAACCACC	R: CTTTGAGATCCATGCCGTTG
mTOR	F: GCAACAACCTCCAGGATACTAA	R: ACGGGCTGTGGTGGTAGACTTA
AKT 1	F: GCTCTTCTTCCACCTGTCTCG	R: CGCAGAATGTCTTCATAGTGGC
PI3K	F: TTGACAGTAGGAGGAGGTTGGA	R: CAGGGAGTATTGATCTTCGGTATT

Table S2 Antibody Information

First anti information					Second anti information				
Antibody name	Place of origin	Item number	Molecular weight (K Da)	Source of primary antibody	Dilution ratio of primary antibody	Secondary antibodies	Origin of secondary antibody	Item number	Dilution ratio of secondary antibody
ACTIN	Servicebio	GB15003	42	Rabbit	1: 5000	HRP-goat anti rabbit	Servicebio	GB23303	1 : 3000
PI3K	Servicebio	GB11525	85	Rabbit	1: 10000	HRP-goat anti rabbit	Servicebio	GB23303	1 : 3000
P-PI3K	CST	17366	85	Rabbit	1: 1000	HRP-goat anti rabbit	Servicebio	GB23303	1 : 3000
AKT	Servicebio	GB15689	56	Mouse	1: 10000	HRP-goat anti mouse	Servicebio	GB23301	1 : 3000
P-AKT	Servicebio	GB150002	56	Rabbit	1: 1000	HRP-goat anti rabbit	Servicebio	GB23303	1 : 3000
mTOR	Servicebio	GB11405	289	Rabbit	1: 1000	HRP-goat anti rabbit	Servicebio	GB23303	1 : 3000
P-mTOR	Servicebio	GB114489	289	Rabbit	1: 1000	HRP-goat anti rabbit	Servicebio	GB23303	1 : 3000

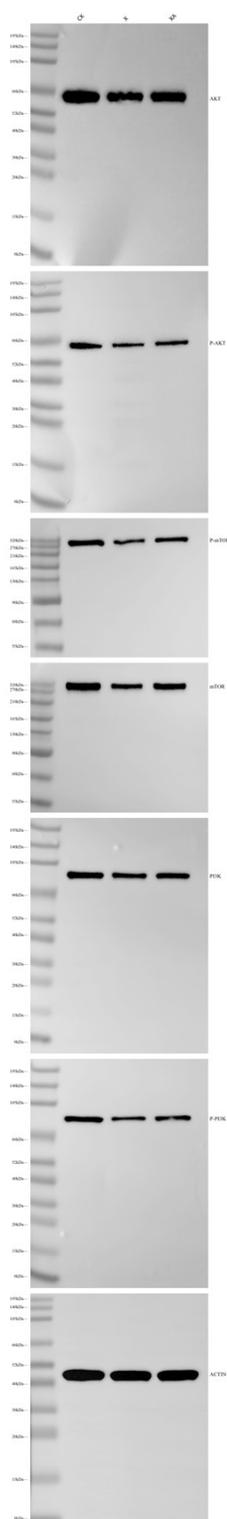


Fig.S1. Original Western blot images of CK, X, and XA groups

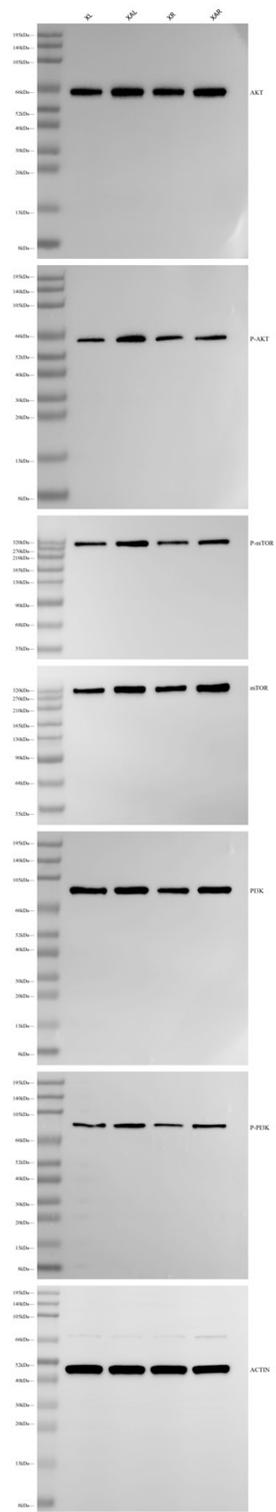


Fig.S2. Original Western blot images of XL, XAL, XR, and XA groups.