

S1 Table. Antibody list used in this study

Antibody Name	Vendor	Catalog No.
anti-LRS antibody	Neomix	NMS-01-0007
Anti-LAMP2 antibody (H4B4)	abcam	ab25631
p62(human) polyclonal antibody	Enzo	BML-PW9860
Phospho-S6 Ribosomal Protein (Ser235/236) (D57.2.2E) XP Rabbit mAb	Cell Signaling Technology	4858S
S6 Ribosomal Protein (5G10) Rabbit mAb	Cell Signaling Technology	2217S
phospho-MEK1/2 (ser221)(166F8) Rabbit mAb	Cell Signaling Technology	#2338
MEK1/2 (D1A5) Rabbit mAb	Cell Signaling Technology	8727S
phospho-p44/42 MAPK (Erk1/2) (Thr202/Tyr204)	Cell Signaling Technology	9101S
p44/42 MAPK (Erk1/2)	Cell Signaling Technology	9102
Phospho-Akt(Thr308)(244F9) Rabbit mAb	Cell Signaling Technology	4056
Phospho-Akt (Ser473) (D9E) XP [®] Rabbit mAb	Cell Signaling Technology	4060S
Akt (pan) (C67E7) Rabbit mAb	Cell Signaling Technology	4691S
β -Actin Antibody	Cell Signaling Technology	4967L
phospho-GSK3beta(Ser9)	Cell Signaling Technology	9336S
Phospho-p70 S6 Kinase (Thr389)(108D2) Rabbit mAb	Cell Signaling Technology	9234S
Phospho-4E-BP1 (Thr37/46)(236B4) Rabbit mAb	Cell Signaling Technology	2855S
LC3A/B (D3U4C) XP Rabbit mAb	Cell Signaling Technology	12741
cleaved Caspase-3 (D175)(5A1E) Rabbit mAb	Cell Signaling Technology	9664S