

Supplementary Table: Antibodies used in this study.

Antibodies	Specificity	Dilution	Source
Beta actin	Beta actin	1:2000 for WB	Proteintech (66009-1-Ig)
LCN2	Lipocalin-2/NGAL	1:1000 for WB	R&D Systems (AF1857)
LRP2	LRP2	1:1000 for WB	Proteintech (19700-1-AP)
24p3R	SLC22A17	1:1000 for WB	Abcam(ab237539)
			Invitrogen (PA5-20543)
mTOR	mTOR (7C10)	1:1000 for WB	Cell signaling (#2983)
p-mTOR	Phospho-mTOR (Ser2448)	1:1000 for WB	Cell signaling (#2971)
		1:300 for IF	
p70(S6K)	p70(S6K)	1:1000 for WB	Proteintech (14485-1-AP)
p- p70(S6K)	Phospho-p70 S6 Kinase (Thr389)	1:1000 for WB	Cell signaling (#9205)
ULK1	ULK1 (D8H5)	1:1000 for WB	Cell signaling (#8054)
p-ULK1	Phospho-ULK1 (Ser757)	1:1000 for WB	Cell signaling (#6888)
LC3B	LC3B (D11)	1:1000 for WB	Cell signaling (#3868)
		1:300 for IF	
p62	P62/SQSTM1	1:1000 for WB	ABclonal (A7758)
		1:300 for IF	
Cleaved Caspase	Cleaved Caspase-3 (Asp175)	1:1000 for WB	Cell signaling (#9661S)
NeuN	NeuN (D4G4O)	1:500 for IF	Cell Signaling (#24307)
GFAP	GFAP	1:500 for IF	Sigma (MAB360)
PSD93	PSD93/chapsyn-110/DLG	1:1000 for WB	ABclonal (A19669)
PSD95	PSD95 (7E3)	1:1000 for WB	Cell Signaling (#36233)

Synaptophysin	Synaptophysin	1:1000 for WB	Proteintech (17785-1-AP)
SYT1	Synaptotagmin-1	1:1000for WB	ABclonal(A24840)
MAP2	MAP2	1:300 for IF	Sigma (M9942)
Pink1	PINK1	1:1000 for WB	Proteintech (23274-1-AP)
COX IV	COX IV	1:1000 for WB	Abclonal (A6564)
CoraLite488- conjugated Goat Anti-Rabbit IgG (H+L)	Anti-Rabbit IgG (H+L)	1:300 for IF	Proteintech (SA00013-2)
CoraLite488- conjugated Goat Anti-Mouse IgG (H+L)	Anti-Mouse IgG (H+L)	1:300 for IF	Proteintech (SA00013-1)
CoraLite594- conjugated Goat Anti-Rabbit IgG (H+L)	Anti-Rabbit IgG (H+L)	1:300 for IF	Proteintech (SA00013-4)
CoraLite594- conjugated Goat Anti-Mouse IgG (H+L)	Anti-Mouse IgG (H+L)	1:300 for IF	Proteintech (SA00013-3)
Alexa Fluor® 594-conjugated AffiniPure™ Donkey Anti-Goat IgG (H+L)	Anti-Goat IgG (H+L)	1:300 for IF	Jackson (705-585-147)
HRP-conjugated Goat Anti-Mouse IgG (H+L)	Anti-Mouse IgG (H+L)	1:10,000 for WB	Abclonal (AS003)
HRP-conjugated Goat anti-Rabbit IgG (H+L)	Anti-Rabbit IgG (H+L)	1:10,000 for WB	Abclonal (AS014)

HRP-conjugated Anti-Goat IgG (H+R)

Donkey anti-Goat

1:10,000 for WB

Abclonal (AS031)

IgG (H+R)

WB: Western blotting; IF: Immunofluorescence