

- Supplementary Table2. **Antibodies used for Western blot and immunohistochemistry**

Antibody	Company	Catalog	MW (Kda)	Class	Dilution for WB	Dilution IHC/IF	for	Source/Isotype
S6	CST, Danvers, MA	2217	32	Monoclonal	1:1000	1:100		Rabbit IgG
p-S6 (Ser240/244)	CST, Danvers, MA	5364	32	Monoclonal	1:1000	1:100		Rabbit IgG
p-AKT(Ser473)	CST, Danvers, MA	4060	60	Monoclonal	1:1000	1:100		Rabbit IgG
P-MAPK(Thr202/Tyr204)	CST, Danvers, MA	4370	44,42	Monoclonal	1:2000	1:500		Rabbit IgG
p-ULK1(Ser757)	CST, Danvers, MA	4202	140-150	Monoclonal	1:1000	1:1600		Rabbit IgG
p-Stat3(Tyr705)	CST, Danvers, MA	9145	78,86	Monoclonal	1:2000	1:200		Rabbit IgG
Anti-BECLIN1	Sigma-aldrich St.Louis, MO	SAB1306484	---	Polyclonal	---	1:100		Rabbit IgG
Anti-PI3K p85	Abcam, Cambridge, MA	Ab86714	---	Monoclonal	---	1:100		Rabbit IgG2a
NeuN	Abcam, Cambridge, MA	Ab104244	---	Monoclonal	---	1:200		Mouse IgG2b
GFAP	Abcam, Cambridge, MA	Ab4648	---	Monoclonal	---	1:500		Mouse IgG1
Iba-1	Abcam, Cambridge, MA	Ab15690	---	Polyclonal	---	1:200		Mouse IgG2b
β-Actin	Applygen Technologies Inc., Beijing, China	C1313	43	Monoclonal	1:4000	---		Mouse IgG1

Abbreviations: MW, molecular weight; IHC, immunohistochemistry; IF, immunofluorescence; WB, western blot.