

Table S1. Antibodies employed in this study and their properties

Antibody	Type	Dilution	Source
Ub	Mono-	1:500 for WB	Santa Cruz Biotechnology
K48-Ub	Poly-	1:1000 for WB	Cell Signaling technology (Beverly, MA, USA)
USP14	Mono-	1:1000 for WB	Cell Signaling technology (Beverly, MA, USA)
K63-Ub	Poly-	1:1000 for WB	Cell Signaling technology (Beverly, MA, USA)
APP	Poly-	1:4000 for WB	SIGMA
p-APPThr668	Mono-	1:1000 for WB	Cell Signaling technology
BACE1	Poly-	1:1000 for WB	Abcam (Cambridge, CB, UK)
PS1	Poly-	1:500 for WB	Invitrogen (Carlsbad, CA, USA)
PS2	Mono-	1:10000 for WB	Abcam (Cambridge, CB, UK)
A β (MOAB2)	Mono-	1:200 for IHC	Abcam (Cambridge, CB, UK)
Tau-5	Mono-	1:1000 for WB	Invitrogen (Carlsbad, CA, USA)
Tau-1	Mono-	1:200 for IHC 1:1000 for WB	Millipore
p-TauS396	Poly-	1:150 for IHC 1:800 for WB	Cell Signaling technology
p-TauSer214	Poly-	1:1000 for WB	Invitrogen (Carlsbad, CA, USA)
p-TauSer262	Poly-	1:1000 for WB	Invitrogen (Carlsbad, CA, USA)
p-TauThr231	Poly-	1:1000 for WB	Invitrogen (Carlsbad, CA, USA)
β -actin	Mono-	1:1000 for WB	Cell Signaling technology
GAPDH	Mono-	1:1000 for WB	Cell Signaling technology

Mono-, monoclonal; Poly-, polyclonal; WB, Western-blot; IHC, immunohistochemistry.