

Supplementary Table 1 Antibodies used for immunohistochemistry and their pretreatments.

Antibody	Cone	Company	Host	Pretreatment	Incubation time (min)	Dilution
Beta-Amyloid	6F/3D	DAKO, Glostrup, Denmark	Mouse	EDTA pH 9 + formic acid	45	1/50
Anti p-tau	AT8	Thermo Scientific, Rockford, USA	Mouse	EDTA pH 9	45	1/1000
Tau RD3	8E6/C11	Millipore, Temecula, CA, USA	Mouse	Citrate pH 6 + formic acid	60	1/5000
Tau RD4	1E1/A6	Millipore, Temecula, CA, USA	Mouse	Citrate pH 6 + formic acid	40	1/50
α -synuclein	KM51	Novocastra, Newcastle, UK	Mouse	EDTA pH 9 + formic acid	30	1/200
Ubiquitin	Polyclonal	DAKO, Glostrup, Denmark	Rabbit	Citrate pH 6	30	1/4000
Anti p62	3/P62 LCK ligand	BD Biosciences, San Jose, USA	Mouse	EDTA pH 9	30	1/500
α - internexin	2E3	Novex, Invitrogen, Thermo Scientific, Rockford, IL, USA	Mouse	EDTA pH 9	30	1/800
FUS	Polyclonal	Sigma Aldrich, St Louis, MO, USA	Rabbit	Citrate pH 6	45	1/1000
TDP-43	2E2-D3	Abnova, Taipei, Taiwan	Mouse	Citrate pH 6	45	1/500
pTDP-43	11-9	Cosmo Bio, Tokyo, Japan	Mouse	EDTA pH 9	45	1/5000