

eTable 1. Primary antibodies and antigen retrieval for immunohistochemistry and immunofluorescence

Antibody	Origin	Target	Dilution	Antigen retrieval	Method	Source
AMPA2/3	Rabbit (pAB)	AMPA receptor	1:200 IHC, 1:50 IF	St (C) IHC, AR6 IF	IHC, IF	#07-598; Millipore
APP	Mouse (mAB)	Amyloid precursor protein	1:3000	AR9	IF	#MAB348; Millipore
C9neo	Rabbit (pAB)	Complement C9neo antigen	1:2000	Prot	IHC	RM-9107-S, P. Morgan; Cardiff, UK
Calbindin D 28k	Rabbit (pAB)	Purkinje cells	1:1500	St (C)	IHC	PA1-37206; Thermo Scientific
Calbindin D 28k	Rabbit (pAB)	Purkinje cells	1:1500	AR9	IF	CB28a; Swant
CD4	Mouse (mAB)	MHC Class II-restricted T cells	1:100	St (E)	IHC	4B12; Dako
CD8	Mouse (mAB)	MHC Class I-restricted T cells	1:100	St (C)	IHC	M7103; Dako
CD8	Rabbit (mAB)	MHC Class I-restricted T cells	1:500	AR9	IF	RM-9116-S0; Neomarkers
CD20	Mouse (mAB)	B cells	1:400	St (C)	IHC	M0755; Dako
CD79a	Mouse (mAB)	B cells (incl. plasma cells)	1:50	St (E)	IHC	M7050; Dako
GFAP	Rabbit (pAB)	Glial fibrillary acidic protein	1:3000	Prot	IHC	Z0334; Dako
GFAP	Mouse (mAB)	Glial fibrillary acidic protein	1:800	St (C)	Double IHC	#MAB3402; Millipore
Granzyme B	Mouse (mAB)	Granules in cytotoxic T cells	1:1000 IHC after tyramid, 1:50 IF	AR9	IHC, IF	#MS-1157; Neomarkers
GRP78 (BiP)	Rabbit (pAB)	heat shock 70 kDa protein 5	1:300	St (C)	IHC	ab21685; Abcam
HLA-DR	Mouse (mAB)	MHC Class II antigen	1:100	St (C)	IHC	M0775; Dako
Iba-1	Rabbit (pAB)	Microglia	1:5000	AR9	IF	019-19741; Wako
IgG	Rabbit (pAB)	Human IgG	1:16000	St (C)	IHC	A0423; Dako
MHC Class I (HC10)	Mouse (mAB)	major histocompatibility complex class I	1:2000	St (E)	IHC	Gift; Hidde Ploegh (Stam et al 1990)
Neurogranin	Rabbit (mAB)	Golgi cells	1:5000	St (E)	IHC	EPR21152; Abcam
NMDAR1	Mouse (mAB)	N-methyl-D-aspartate receptor	1:200	St (C)	IHC	N308/48; Abcam
P/Q-VGCC (Ca _v 2.1)	Rabbit (pAB)	P/Q-type voltage-gated calcium channel	1:200	St (C)	IHC	PA5-77295; Thermo Scientific
pSTAT1	Rabbit (mAB)	phosphorylated signal transducer and activator of transcription	1:2000 IHC after tyramide, 1:250 IF	St (E) IHC, AR6/9 IF	IHC, IF	9167; Cell Signaling
Synaptophysin	Mouse (mAB)	major synaptic vesicle protein p38	1:500	St (C)	IHC	M7315; Dako

AR6/9, AR6 and AR9 antigen retrieval buffer by PerkinElmer; IHC, immunohistochemistry; IF, immunofluorescence; mAB, monoclonal antibody; pAB, polyclonal antibody; Prot, protease digestion; St (C), steaming of tissue sections in citrate buffer; St (E), steaming of tissue sections in EDTA buffer.¹⁹