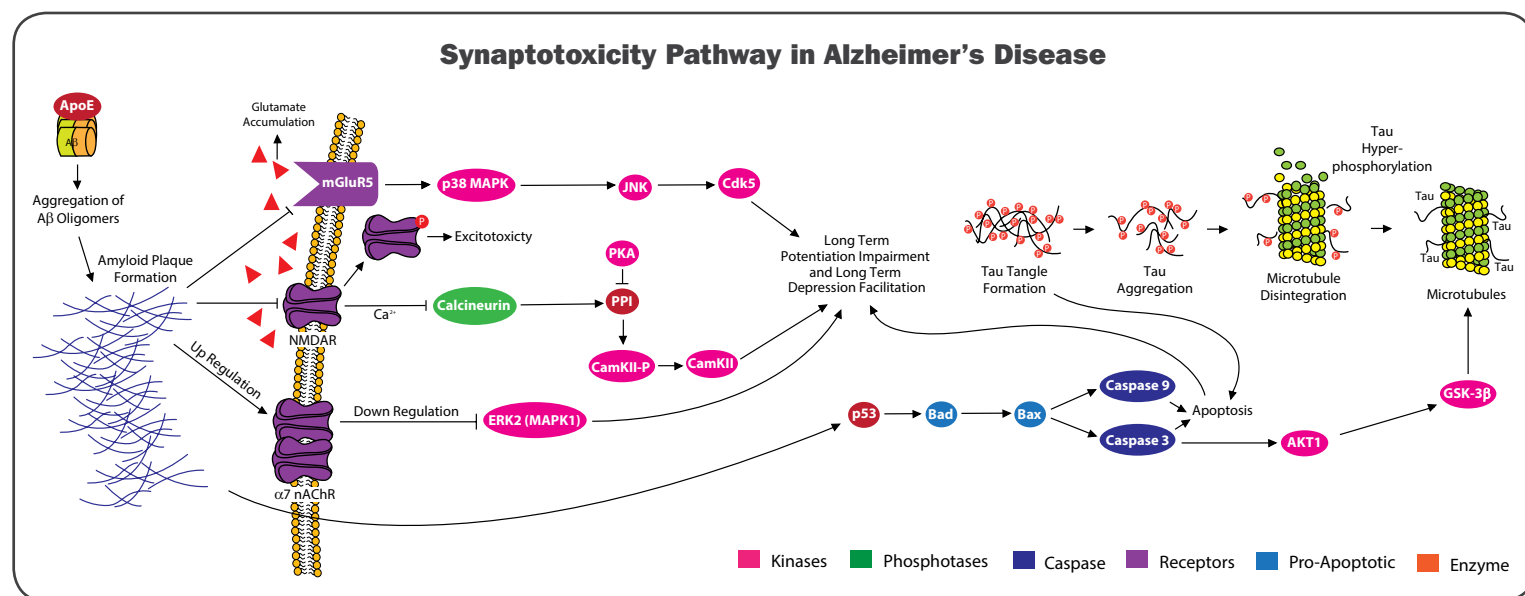


NEURODEGENERATION RELATED ANTIBODIES

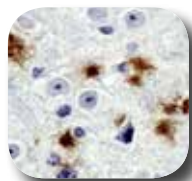
With more than 600 identified neurological diseases and an aging population, research is under way to understand the underlying causes and possible cures for these often devastating disorders. Neurodegenerative disorders due to faulty genes and diseases resulting in damage to nerve cells include Alzheimer's Disease, ALS, Huntington's Disease, Multiple Sclerosis, and Parkinson's Disease. Recent research also points to the role of neuroinflammation and neuroimmune response in prevalent neurological diseases. Studies have shown that changes in cytokines, lymphocytes, and some epigenetic mechanisms affect CNS processes and can be associated with reduced cognitive abilities and occurrence of several neurodegenerative diseases.



beta Amyloid Antibody (MOAB-2) NBP2-13075 (4 publications)

Species: Hu, Mu, Rt

Applications: WB, ELISA, ICC/IF, IHC-P, IHC-FrFI

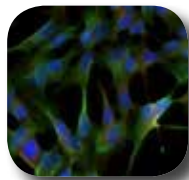


IHC analysis of 5xFAD mouse brain tissue using beta Amyloid antibody clone MOAB-2.

LRRK2 Antibody NB300-268 (31 publications)

Species: Hu, Mu, Bv, Ce

Applications: WB, ICC/IF, IHC-Fr, IHC-P, IP



ICC/IF analysis of SH-SY5Y cells using LRRK2 antibody (green).

NF-H Antibody NB300-135 (6 publications)

Species: Hu, Mu, Rt, Po, Bv, Fe

Applications: WB, ELISA, ICC/IF, IHC-Fr, IHC-P



ICC/IF analysis of rat spinal cord using NF-H antibody (green).

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Popular Neurodegeneration Related Antibodies

BDNF Antibody (14C8.1D9) **NBP2-42215 (4 Publications)**

Species: Hu, Rt, Po, Bv, Pr

Applications: WB, Flow, ICC/IF, IHC-P

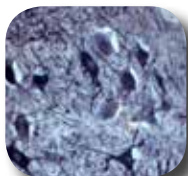


IHC analysis of human spinal cord dorsal horn using BDNF antibody.

Choline Acetyltransferase/ChAT Antibody **NB110-89724 (1 publication)**

Species: Mu, Rt

Applications: WB, ICC/IF, IHC-P, IHC-Fr/I

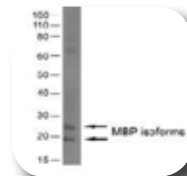


IHC/Fr/I analysis of rat spinal cord using ChAT antibody.

MBP (12) Antibody **NB600-717 (11 Publications)**

Species: Hu, Mu, Rt, Po, Bv, Ch, Gp, Rb, Sh

Applications: WB, ELISA, ICC/IF, IHC-Fr, IHC-P, RI



WB analysis of mouse brain tissue lysate using Myelin Basic Protein (MBP) antibody clone 12.

Myelin PLP Antibody **NBP1-87781**

Species: Hu

Applications: WB, IHC-P



IHC-P analysis of human cerebral cortex section using Myelin PLP antibody.

NF-L Antibody (DA2) **NB300-132 (4 publications)**

Species: Hu, Mu, Rt, Av

Applications: SW, WB, ICC/IF, IHC-P



ICC/IF analysis of neuronal cultures using NF-L antibody clone DA2 (green).

Park7/DJ-1 Antibody **NB300-270 (14 publications)**

Species: Hu, Mu, Ch

Applications: SW, WB, ICC/IF, IP, In vitro

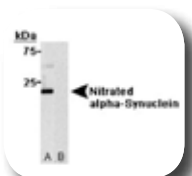


Simple Western (SW) analysis of human brain lysate using Park7/DJ-1 antibody.

Synuclein-alpha [Nitrate Tyr125, Nitrate Tyr133] (24.8) Antibody **NBP1-26380 (2 publications)**

Species: Hu, Mu

Applications: WB, Flow, ICC/IF, IHC-Fr, IHC-P



WB analysis of (A) nitrated synuclein-alpha and (B) non-nitrated synuclein-alpha proteins using Synuclein-alpha [Nitrate Tyr125, Nitrate Tyr133] antibody.

Tau Antibody [p Thr181] **NB100-82245**

Species: Hu, Mu, Rt

Applications: WB, IHC-P

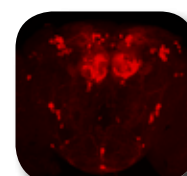


IHC-P analysis of rat hippocampal region tissue from a model of Alzheimer's disease using p-Tau (Thr 181) antibody.

Tyrosine Hydroxylase/TH Antibody **NB300-109 (40 publications)**

Species: Hu, Mu, Rt, Dr

Applications: SW, WB, ICC/IF, IHC-Fr, IHC-P, IHC-Fr/I



ICC/IF analysis of whole-mount Drosophila brains using TH antibody.

Neuroimmunology Antibodies

Antibody	Catalog #	Host/Clonality	Applications	Species	Publications
ICAM-1/CD54	NB500-318	Mu/Mono	WB, ELISA, Flow, IHC-P	Hu, Rt, Bv	3
IFN-beta	NBP1-77288	Rb/Poly	WB, ELISA, ICC/IF, IHC-P	Hu, Mu	4
IFN-gamma	NB100-78214	Mu/Mono	WB, B/N, ELISA, Flow, ICC/IF, IHC-Fr	Mu, Rt	
IL-1 beta	NB600-633	Rb/Poly	WB, EM, ELISA, IHC-P, IP	Hu, Mu, Rt, Po, Ba, Ca, Pm	7
IL-6	NBP2-16957	Rb/Poly	WB, ICC/IF, IHC-P	Hu	1
IL-8	NBP2-33819	Rb/Poly	WB, IHC-P	Hu	1
Myelin PLP	NB100-74503	Rb/Poly	WB, ICC/IF	Mu, Rt	2
TNF alpha	NB600-587	Rb/Poly	WB, ELISA, IHC-P	Hu, Mu, Rt, Pm	5

Alzheimer's Disease

Antibody	Catalog #	Host/Clonality	Applications	Species	Publications
Apolipoprotein E/ApoE	NB110-60531	Mu/Mono	WB, ELISA, Flow, IHC, IP	Hu, Mu	5
APP	NB120-17286	Rb/Poly	IHC-P	Hu	1
beta Amyloid	NBP2-13075	Mu/Mono	WB, ELISA, ICC/IF, IHC-P, IHC-FrFI, IP	Hu, Mu, Rt	4
MBP	NB600-717	Rt/Mono	WB, ELISA, ICC/IF, IHC-Fr, IHC-P, RI	Hu, Mu, Rt, Po, Bv, Ch, Gp, Rb, Sh	11
Presenilin-1	NB100-74510	Mu/Mono	WB, ELISA, ICC/IF, IHC-P, IP	Hu, Mu, Rt, Pm	4
Reelin	NB600-1081	Mu/Mono	WB, IHC, IHC-P	Hu, Mu, Rt	9
Tau [p Thr181]	NB100-82245	Rb/Poly	WB, IHC-P	Hu, Mu, Rt	

Amyotrophic Lateral Sclerosis (ALS)

Antibody	Catalog #	Host/Clonality	Applications	Species	Publications
C9orf72	NBP2-15656	Rb/Poly	WB, IHC-P	Hu, Mu	
CD14	NB100-2807	Gt/Poly	WB, ICC/IF, IHC-P, PEP-ELISA	Hu	2
Galectin-1	NBP1-89791	Rb/Poly	WB, IHC-P	Hu, Mu, Rt	2
NF-L	NB300-132	Mu/Mono	SW, WB, ICC/IF, IHC-P	Hu, Mu, Rt, Av	4
NF-H	NB300-135	Rb/Poly	WB, ELISA, ICC/IF, IHC-Fr, IHC-P	Hu, Mu, Rt, Po, Bv, Fe	6

Huntington's Disease

Antibody	Catalog #	Host/Clonality	Applications	Species	Publications
BDNF	NBP2-42215	Mu/Mono	WB, Flow, ICC/IF, IHC-P	Hu	
Choline Acetyltransferase/ChAT	NBP1-30052	Gt/Poly	WB, ICC/IF, IHC-Fr	Hu, Mu, Rt, Ch, Gp, Pm	5
Histone Deacetylase 4/HDAC4	NB100-56341	Rb/Poly	WB, ChIP, IP	Hu	3
Huntingtin	NBP1-44265	Rb/Poly	WB, ELISA	Hu, Mu, Rt	4
SOD1/Cu-Zn SOD	NBP2-24915	Rb/Poly	WB, IHC-P	Hu, Mu, Rt, Bv	2
TrkB [p Tyr515]	NB100-92656	Rb/Poly	WB, IHC	Hu, Mu, Rt	1

Multiple Sclerosis

Antibody	Catalog #	Host/Clonality	Applications	Species	Publications
CXCL13	NBP2-16041	Rb/Poly	WB, IHC-P	Hu	
CD83	NB100-77812	Mu/Mono	Flow	Hu, Bb, Pm	3
IL-6	NB600-1131	Rb/Poly	WB, ELISA, ICC/IF, IHC-P, IP	Hu, Mu, Rt	6
Integrin alpha 4/CD49d	NBP1-77333	Rb/Poly	WB, ELISA, ICC/IF	Hu, Mu, Rt	
NF-L	NB300-131	Rb/Poly	WB, ICC/IF, IHC-P	Hu, Mu, Rt, Po, Av, Bv	6
Osteopontin/OPN	NB110-89062	Mu/Mono	WB, SW, ICC/IF, IHC-Fr, IHC-P, IP	Hu, Rb, Rt	11

Parkinson's Disease

Antibody	Catalog #	Host/Clonality	Applications	Species	Publications
LRRK2	NB300-268	Rb/Poly	WB, ICC/IF, IHC-Fr, IHC-P, IP	Hu, Mu, Bv, Ce	31
LRRK2	NB110-58771	Rb/Poly	WB, ICC/IF, IHC-P, IP	Hu, Mu, Rt, Pm	6
Park7/DJ-1	NB300-270	Rb/Poly	SW, WB, ICC/IF, IP, In vitro	Hu, Mu, Ch	14
Parkin	NB600-1540	Rb/Poly	WB, IHC-P, IP	Hu	2
PINK1	BC100-494	Rb/Poly	WB, ICC/IF, IHC-P, IP, PEP-ELISA	Hu, Mu, Rt	62
Synuclein-alpha	NBP1-05194	Mu/Mono	SW, WB, ICC/IF	Hu, Mu, Rt	
Tyrosine Hydroxylase	NB300-109	Rb/Poly	WB, SW, ICC/IF, IHC-Fr, IHC-P, IHC-FrFI	Hu, Mu, Rt, Dr, Ma	40

Antibody Support Products - Lysates and Proteins

Product	Catalog #	Applications
Human Brain Cerebellum Whole Tissue Lysate (Whole Parkinson's)	NB820-59409	WB, IP
Human Brain Whole Tissue Lysate (Whole Multiple Sclerosis)	NB820-59394	WB, IP
Human Brain Membrane Tissue Lysate (Normal)	NB820-60570	WB, IP
NF-L Overexpression Lysate (Native)	NBL1-13577	WB

Species Key: Hu (Human), Mu (Mouse), Rt (Rat), Av (Avion), Ba (Bacteria), Bb (Baboon), Bv (Bovine), Ca (Canine), Ce (C. elegans), Ch (Chicken), Dr (Drosophila), Fe (Feline), Fi (Fish), Gp (Guinea Pig), Gt (Goat), Ma (Mammal), Md (Mustelid), Pl (Plant), Po (Porcine), Pm (Primates), Rb (Rabbit), Re (Reptile), Sh (Sheep), Xp (Xenopus), Ye (Yeast), Ze (Zebrafish)

Applications Key: B/N (Blocking/Neutralizing), ChIP (Chromatin Immunoprecipitation), ELISA (ELISA Capture and/or Detection), EM (Electron Microscopy), Flow (Flow Cytometry), ICC/IF (Immunocytochemistry/Immunofluorescence), IHC-P (Immunohistochemistry-Paraffin), IHC-Fr (Immunohistochemistry-Frozen), IHC-FrI (Immunohistochemistry Free-Floating), IP (Immunoprecipitation), GS (Gel Supershift), PEP-ELISA (Peptide ELISA), RIA (Radioimmunoassay), SW (Simple Western), WB (Western Blot)

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