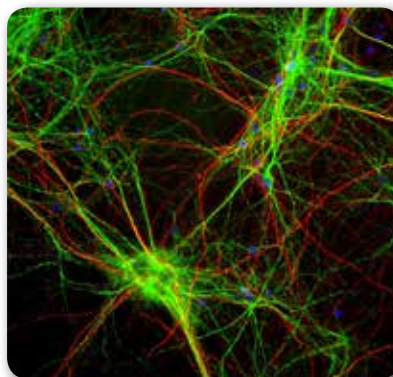


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Key Features of Novus Antibodies:

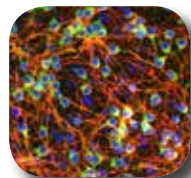
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- ✓ Validated in multiple assays and species
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Mixed neuron/glia cultures from rat stained with MAP2 antibody (5H11) [NBP1-92711] (green) and NF-H antibody [NB300-135] (red). Since the NF-H protein is largely expressed in neuronal axons, while the MAP2 is only found in neuronal dendrites and perikarya, there is little overlap between these two staining patterns.

GAP-43 Antibody **NB300-143 (30 publications)**

Species: Hu, Mu, Rt, Po, Ch, Pm
Applications: WB, ICC/IF, IHC-Fr, IHC-P



ICC/IF analysis of rat E18 mixed neuron/glia cultures with GAP-43 antibody (red) and Tau/MAPT antibody (green).

GFAP Antibody **NB300-141 (23 publications)**

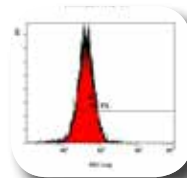
Species: Hu, Mu, Rt, Po, Bv, Ca, Ch, Fe, Gp, Rb
Applications: SW, WB, ICC/IF, IHC-Fr, IHC-P



Simple Western analysis of GFAP in human brain lysate under reducing conditions on 12-230 kDa separation system.

Nestin Antibody (10C2) **NB300-266 (11 publications)**

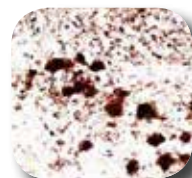
Species: Hu
Applications: WB, Flow, ICC/IF, IHC-Fr, IHC-P



FLOW analysis of NTERA-2 cell line using Nestin antibody (clone 10C2).

PGP9.5 / UCHL-1 Antibody **NB600-1160 (7 publications)**

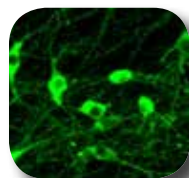
Species: Hu, Mu, Rt, Po, Bv
Applications: WB, ELISA, IHC-Fr, IHC-P



IHC-P analysis of a formalin-fixed human brain tissue section using UchL1 antibody (clone PGP9.5)

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

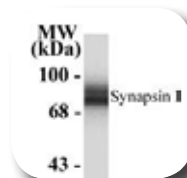
Species: Hu, Mu, Rt, Dr, Ma
Applications: SW, WB, ICC/IF, IHC-Fr, IHC-P, IHC-FrIF



ICC/IF analysis of dopaminergic neurons in the substantia nigra of mouse using Tyrosine Hydroxylase antibody.

Synapsin I Antibody **NB300-104 (8 publications)**

Species: Hu, Mu, Rt
Applications: WB, ICC/IF, IHC-Fr, IP



WB analysis of rat brain lysate with Synapsin I antibody showing specific immunolabeling at ~78 kDa.

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Neuronal Markers

Significance	Target	Catalog#	Host/Clonality	Applications	Species	Publications
Neuronal Marker	Tyrosine Hydroxylase	NB300-110	Sh/Poly	WB, ICC/IF, IHC-Fr, IHC-P	Hu, Mu, Rt, Av, Ma, Rb, Re	36
Neuronal Marker	Tyrosine Hydroxylase	NBP2-42211	Mu/Mono	WB, Flow, ICC/IF, IHC-P	Hu, Rt	-
Neuronal Marker	GAP-43	NB300-143	Rb/Poly	WB, ICC/IF, IHC-Fr, IHC-P	Hu, Mu, Rt, Po, Ch, Pm	30
Neuronal Marker	GAP-43	NBP1-41123	Sh/Poly	WB, ICC/IF, IHC-Fr, IHC-P	Hu, Mu, Rt, Ca, Fe, Ha, Pm	23
Neuronal Marker	MAP1B [p Thr1265] SuperBUGS	NBP1-42827	Rb/Poly	WB, ICC/IF, IHC-Fr	Hu, Mu, Rt, Ch, Fi, Re, Xp	8
Neuronal Marker	Enolase 2	NB110-58870	Rb/Poly	SW, WB, ICC/IF	Hu, Mu, Rt	-
Neuronal Marker	RBFOX3/NeuN	NBP1-77686	Rb/Poly	ICC/IF, IHC, IHC-Fr, IHC-P, IHC-FrFI	Hu, Mu, Rt	3
Neuronal Marker	RBFOX3/NeuN	NBP1-92693	Mu/Mono	WB, Flow, ICC/IF, IHC-Fr	Hu, Mu, Rt, Po, Bv	1
Neuronal Marker	Tubulin Beta 3	NBP1-42568	Mu/Mono	SW, WB, ELISA, Flow, ICC/IF	Hu	-
Neuronal Marker	NEFM/NF-M	NB300-133	Rb/Poly	WB, ICC/IF, IHC-Fr, IHC-P	Hu, Mu, Rt, Po, Av, Bv, Fe	6
Neuronal Marker	NEFM/NF-M	NB300-222	Ch/Poly	WB, ICC/IF	Hu, Mu, Rt, Ch, Fe, Fi	2
Neuronal Marker	NEFL/NF-L	NB300-132	Mu/Mono	SW, WB, ICC/IF, IHC-P	Hu, Mu, Rt, Av, Ma	4
Neuronal Marker	NEFL/NF-L	NB300-131	Rb/Poly	WB, ICC/IF, IHC-P	Hu, Mu, Rt, Av, Ma, Po, Bv	6
Neuronal Marker	NEFL/NF-H	NB300-135	Rb/Poly	WB, ELISA, ICC/IF, IHC-Fr, IHC-P	Hu, Mu, Rt, Po, Bv, Fe	6
Neuronal Marker	NEFL/NF-H	NBP2-29435	Mu/Mono	WB, ELISA, Flow, IHC-Fr, IHC-P	Hu, Mu, Rt, Po, Ch	1
Neuronal Marker	Tubulin Beta 3	NBP1-42568	Mu/Mono	SW, WB, ELISA, Flow, ICC/IF	Hu	2
Neuronal Marker	Tubulin Beta 3	NB100-1612	Ch/Poly	WB, ICC/IF, IHC-P	Hu, Mu, Rt	3
pan-Neuronal Marker	PGP9.5 / UCHL-1	NB300-676	Rb/Poly	SW, WB, ICC/IF, IHC-Fr, IHC-P	Hu, Mu, Eq, Po, Pm, Rt	2
pan-Neuronal Marker	PGP9.5 / UCHL-1	NB600-1160	Mu/Mono	WB, ELISA, IHC-Fr, IHC-P	Hu, Mu, Rt, Po, Bv	7
pan-Neuronal Marker	Tau /MAPT	NBP2-25162	Mu/Mono	WB, ICC/IF	Hu, Mu, Rt	-
un-Myelinated Neurons Marker	Peripherin	NB300-137	Rb/Poly	WB, ELISA, ICC/IF, IHC-Fr, IHC-P	Hu, Mu, Rt, Ma	5

Neuronal Dendrite Marker

Significance	Target	Catalog#	Host/Clonality	Applications	Species	Publications
Neuronal Dendrite Marker	MAP2	NB300-213	Ch/Poly	WB, ICC/IF, IHC-Fr	Hu, Mu, Rt, Bv	19
Neuronal Dendritic Marker	MAP2	NBP1-92711	Mu/Mono	WB, ICC/IF	Hu, Mu, Rt, Bv	3
Neuronal Dendritic Marker	MAP2	NBP2-25156	Mu/Mono	WB, ICC/IF	Hu, Mu, Bv	-

Neural Stem Cell Markers

Significance	Target	Catalog#	Host/Clonality	Applications	Species	Publications
Neural Stem Cell Marker	Musashi-1	NB100-1759	Rb/Poly	WB, ICC/IF, IHC-P	Hu, Mu, Rt	3
Neural Stem Cell Marker	Musashi-1	NBP2-24681	Rb/Poly	WB	Hu, Mu, Rt, Ca, Eq, Pm	-
Neural Stem Cell Marker	SOX2	NB110-37235	Rb/Poly	WB, Flow, ICC/IF, IHC-P	Hu, Mu, Sh	7
Neural Stem Cell Marker	Pax6	NB300-750	Rb/Poly	WB, ICC/IF, IP	Hu, Mu, Rt, Ch, Pm, Sh, Xp	2
Neural Stem Cell Marker	Nestin	NB300-266	Mu/Mono	WB, Flow, ICC/IF, IHC-Fr, IHC-P	Hu	11
Neural Stem Cell Marker	Nestin	NBP1-92717	Mu/Mono	WB, ICC/IF	Hu, Mu, Rt	2
Neural Stem Cell Marker	SOX2	NBP2-29623	Mu/Mono	WB, IHC-P	Hu	-
Neural Stem Cell Marker	Nestin	NB300-265	Rb/Poly	WB, ICC/IF	Hu, Ca	2
Neural Stem Cell Marker	SSEA-1	NB100-1831	Mu/Mono	SW, WB, Flow, ICC/IF, IHC-Fr, IHC-P	Hu, Mu, Rt	4

Microglia Markers

Significance	Target	Catalog#	Host/Clonality	Applications	Species	Publications
Microglia Marker	AIF-1/Iba1	NB100-1028	Gt/Poly	WB, ICC/IF, IHC-Fr, IHC-P, PEP-ELISA	Hu, Mu, Rt	29
Microglia Marker	AIF-1/Iba1	NBP2-16908	Rb/Poly	WB, Flow, ICC/IF, IHC-P	Hu, Mu	-
Microglia Marker	CD11b	NB110-89474	Rb/Poly	SW, WB, Flow, ICC/IF, IHC-Fr, IHC-P	Hu, Mu, Rt	16
Microglia Marker	CD11b	NB600-1327	Rt/Mono	Flow, ICC/IF, IHC-Fr, IHC-P, IP	Hu, Mu, Rb	7
Microglia Marker	CD11b/c	NB110-40766	Rb/Poly	WB, Flow, ICC/IF, IHC-P	Hu, Mu, Rt	13
Microglia Marker	CD68	NB600-1250	Mu/Mono	ICC/IF, IHC-P	Hu	5
Microglia Marker	CD68	NB100-683	Mu/Mono	WB, Flow, ICC/IF, IHC-Fr, IHC-P, IP	Hu, Mu, Rt	29

Astrocyte/Astroglia Markers (Macroglia)

Significance	Target	Catalog#	Host/Clonality	Applications	Species	Publications
Astrocyte/Astroglia Marker	Aldolase C/ALDOC	NBP2-25145	Mu/Mono	WB, ICC/IF	Hu, Bv	-
Astrocyte/Astroglia Marker	ALDH1A1	NB100-787	Gt/Poly	WB, ICC/IF, IHC, PEP-ELISA	Hu, Mu, Rt	2
Astrocyte/Astroglia Marker	ALDH1L1	NBP2-25143	Rb/Poly	WB, ICC-IF	Hu, Mu, Rt, Po, Bv, Ch, Eq	-
Astrocyte/Astroglia Marker	GFAP	NB300-141	Rb/Poly	SW, WB, ICC/IF, IHC-Fr, IHC-P	Hu, Mu, Rt, Po, Bv, Ca, Ch, Fe, Gp, Rb	23
Astrocyte/Astroglia Marker	GFAP	NBP1-05197	Mu/Mono	WB, SW, ICC/IF, IHC-Fr, IHC-P	Hu, Mu, Rt, Po, Av, Bv, Ch, Eq, Ma	2
Astrocyte/Astroglia Marker	GFAP	NBP2-29415	Mu/Mono	WB, Flow, ICC/IF, IHC-Fr, IHC-P, ELISA, IP	Hu, Mu, Rt, Bv, Ch, Rb	2
Astrocyte/Astroglia Marker	SLC1A3	NB100-1869	Rb/Poly	WB, ELISA, Flow, ICC/IF, IHC-Fr, IHC-P	Hu, Mu, Rt	5

Oligodendrocyte Markers (Macroglia)

Significance	Target	Catalog#	Host/Clonality	Applications	Species	Publications
Oligodendrocyte Marker	Olig2	NBP1-28667	Rb/Poly	WB, ICC/IF, IHC-P, IP	Hu, Mu, Rt	1
Oligodendrocyte Marker	Olig2	NBP2-27301	Rb/Poly	ICC/IF, IHC-P	Hu	-
Oligodendrocyte Marker	NG2	NB100-2688	Mu/Mono	WB, FLOW, ICC-IF, IHC-P, IHC-Fr, IP	Hu	5
Oligodendrocyte Marker	CNPase	NB110-93362	Rb/Poly	WB, IHC-P	Hu, Mu, Rt, Rb, Sh	-
Oligodendrocyte Marker	Myelin PLP	NB100-1608	Ch/Poly	WB, ICC/IF, IHC-P	Hu, Mu	1
Oligodendrocyte Marker, Myelin Marker	MBP	NB600-717	Rt/Mono	WB, ELISA, ICC/IF, IHC-Fr, IHC-P, RI	Hu, Mu, Rt, Po, Bv, Ch, Gp, Ma, Rb, Sh	11
Oligodendrocyte Marker, Myelin Marker	MBP	NBP2-22121	Mu/Mono	WB, ELISA, Flow, ICC/IF, IHC-P	Hu	-

Other Macroglia Markers

Significance	Target	Catalog#	Host/Clonality	Applications	Species	Publications
Schwann Cell Marker	PMP22	NB110-59086	Mu/Mono	WB, IHC-P	Hu, Pm	1
Schwann Cell Marker	POU3F1/OCT6	NBP1-19586	Rb/Poly	WB	Hu, Mu, Rt	-
Ependymal Cells Marker	CD24	NB100-77388	Rt/Mono	Flow	Hu, Mu	1
Radial Glia Marker	Vimentin	NB300-223	Ch/Poly	WB, ICC/IF, IHC-Fr, IHC-P	Hu, Mu, Rt	12
Radial Glia Marker	Vimentin	NBP1-92687	Mu/Mono	SW, WB, ICC/IF, IHC	Hu, Mu, Rt, Ma	-
Enteric Glial Marker	S100A/B	NB200-405	Mu/Mono	WB, IA, S-ELISA	Hu	-
Satellite Cells Marker	Pax7	H00005081-M07	Mu/Mono	WB, ICC/IF, ELISA	Hu	-

Synaptic Markers

Significance	Target	Catalog#	Host/Clonality	Applications	Species	Publications
post-Synaptic Marker	PSD-95	NB300-556	Mu/Mono	WB, ChIP, B/N, Flow, ICC/IF, IHC-Fr, IP	Hu, Mu, Rt, In, Mk	9
post-Synaptic Marker	NLGN1	NBP1-46405	Rb/Poly	WB, IHC-P	Hu, Mu, Rt	-
pre-Synaptic Marker	Synaptophysin	NBP1-47483	Mu/Mono	WB, ELISA, IHC-P	Hu, Rt	-
pre-Synaptic Marker	SYN1	NB300-104	Rb/Poly	WB, ICC/IF, IHC-Fr, IP	Hu, Mu, Rt	8
pre-Synaptic Marker	SYN1 [pS549]	NB300-744	Rb/Poly	WB, ICC/IF, IHC-P	Mu, Rt	3
Synaptic Vesicles Marker	VAMP-2	NBP2-24599	Rb/Poly	WB	Mu, Rt	-

Species Key: Av (Avian), Bv (Bovine), Ca (Canine), Ce (C. elegans), Ch (Chicken), Dr (Drosophila), Eq (Equine), Fi (Fish), Fe (Feline), Gp (Guinea Pig), Hu (Human), Ha (Hamster), In (Invertebrate), Md (Mustelid), Ma (Mammals), Mu (Mouse), Pl (Plant), Pm (Non-human Primates), Po (Porcine), Rb (Rabbit), Re (Reptile), Rt (Rat), Sh (Sheep), Xp (Xenopus), Ze (Zebrafish)

Applications Key: B/N (Blocking/Neutralization), ChIP (Chromatin Immunoprecipitation), ELISA (ELISA Capture and/or Detection), FLOW (Flow Cytometry), GS (Gel Supershift), ICC/IF (Immunocytochemistry/Immunofluorescence), IHC-Fr (Immunohistochemistry-Frozen), IHC-FrFI (Immunohistochemistry-Free Floating), IHC-P (Immunohistochemistry-Paraffin), IP (Immunoprecipitation), PEP-ELISA (Peptide ELISA), RI (Radioimmunoassay), SW (Simple Western), WB (Western blot)

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