

NF-H Polyclonal Antibody

Product Details

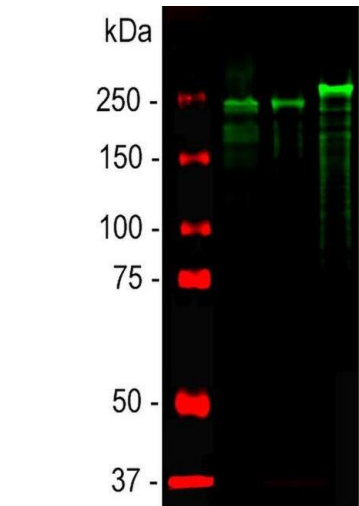
Size	50 µL
Species Reactivity	Bovine, Dog, Horse, Human, Mouse, Pig, Rat
Published Species	Mouse, Human
Host/Isotype	Chicken / IgY
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Native NF-H purified from bovine spinal cord.
Form	Liquid
Concentration	Conc. Not Determined
Storage buffer	PBS
Contains	0.02% sodium azide
Storage conditions	4° C
RRID	AB_1077155

Applications	Tested Dilution	Publications
Western Blot (WB)	1:20,000	3 Publications
Immunohistochemistry (IHC)	1:20,000	3 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:5,000	-
Immunohistochemistry (Frozen) (IHC (F))	1:2,000	-
Immunocytochemistry (ICC/IF)	1:20,000	2 Publications
ELISA (ELISA)	Assay-dependent	-

Product Specific Information

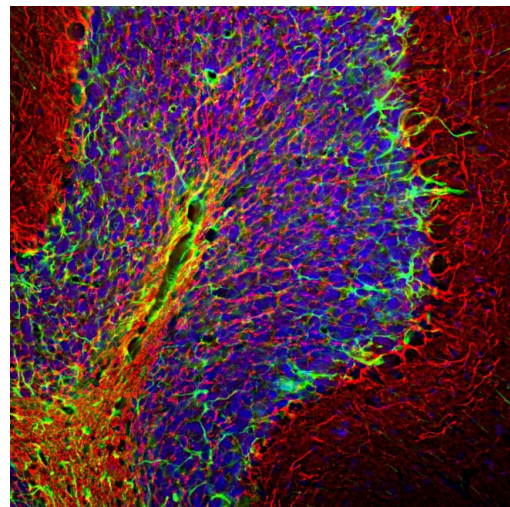
This antibody reacts primarily with the phosphorylated axonal form of NF-H and shows some cross-reactivity with phosphorylated NF-M, which has similar phosphorylation sites to NF-H.

Product Images For NF-H Polyclonal Antibody



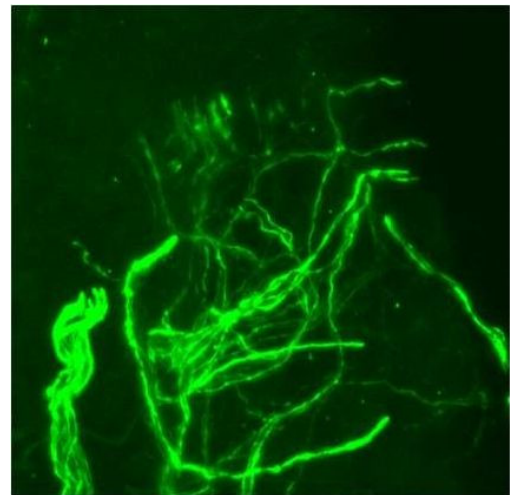
NF-H Antibody (PA1-10002) in WB

Western blot analysis of NF-H in spinal cord lysates using a polyclonal antibody (Product # PA1-10002) at a dilution of 1:20,000 as seen in green. 1) protein standard (red), 2) rat, 3) mouse, and 4) cow spinal cord. Strong band at about 200-220kDa corresponds to the phosphorylated form of NF-H. The protein from different species is known to have different SDS-PAGE molecular weights, with large species generally expressing larger proteins. Smaller proteolytic fragments of NF-H are also detected in spinal cord preparations with this antibody. The antibody does not recognize non-phosphorylated forms of NF-H (not shown).



NF-H Antibody (PA1-10002) in IHC (P)

Immunohistological analysis of NF-H in rat cerebellum. The rat cerebellum section was obtained following transcardial perfusion of the rat with 4% paraformaldehyde, brain was post fixed for 24 hours, and cut to 45µM. Free-floating sections were stained with an NF-H polyclonal antibody (Product # PA1-10002) at a dilution of 1:5,000 as seen in red, and costained with a GFAP polyclonal antibody (Product # PA1-10019) at a dilution of 1:5,000 as seen in green, and with DAPI staining the nuclear DNA in blue. The NF-H antibody labels network of axons of different neurons, while the GFAP antibody stains astrocytes and other glial cells.



NF-H Antibody (PA1-10002) in IHC (F)

Immunohistochemical analysis of human skin stained with Neurofilament, Heavy chain Polyclonal Antibody (Product # PA1-10002). Free-floating, formalin-fixed frozen human skin tissue sections (60 µm) were stained with PA1-10002 (1:2000) followed by a fluorescently-conjugated donkey anti-chicken IgY secondary antibody. Tissues were visualized by confocal microscopy. Data courtesy of the Innovators Program.

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Western Blot (3)

<p>FASEB journal : official publication of the Federation of American Societies for Experimental Biology</p> <p>Endoplasmic reticulum stress in the dorsal root ganglia regulates large-conductance potassium channels and contributes to pain in a model of multiple sclerosis.</p> <p>"PA1-10002 was used in Immunohistochemistry to investigate whether endoplasmic reticulum (ER) stress in dorsal root ganglia (DRG) contributes to pain hypersensitivity in the experimental autoimmune encephalomyelitis (EAE) mouse model of multiple sclerosis."</p> <p>Authors: Yousuf MS,Samtleben S,Lamothe SM,Friedman TN,Catuneanu A,Thorburn K,Desai M,Tenorio G,Schenk GJ,Ballanyi K,Kurata HT,Simmen T,Kerr BJ</p>	<p>Year 2020</p> <p>Species Human</p> <p>Dilution 1:5000</p>
<p>eNeuro</p> <p>Sensory Neurons of the Dorsal Root Ganglia Become Hyperexcitable in a T-Cell-Mediated MOG-EAE Model of Multiple Sclerosis.</p> <p>"PA1-10002 was used in Western Blotting to study the immune mediated pathophysiology of pain in multiple sclerosis."</p> <p>Authors: Yousuf MS,Noh MC,Friedman TN,Zubkow K,Johnson JC,Tenorio G,Kurata HT,Smith PA,Kerr BJ</p>	<p>Year 2020</p> <p>Species Mouse</p> <p>Dilution 1:5000</p>

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Immunohistochemistry (3)

<p>PloS one</p> <p>Myelination, axonal loss and Schwann cell characteristics in axonal polyneuropathy compared to controls.</p> <p>"Published figure using NF-H polyclonal antibody (Product # PA1-10002) in Immunohistochemistry"</p> <p>Authors: Placheta-Györi E,Brandstetter LM,Zemann-Schälss J,Wolf S,Radtke C</p>	<p>Year 2022</p>
<p>Science advances</p> <p>Epitope-preserving magnified analysis of proteome (eMAP).</p> <p>"PA1-10002 was used in Immunohistochemistry-immunofluorescence to investigate molecular heterogeneity in inhibitory synapses in the mouse brain neocortex and characterizing the spatial distributions of synaptic proteins within synapses in mouse and marmoset brains by epitope-preserving magnified analysis of proteome."</p> <p>Authors: Park J,Khan S,Yun DH,Ku T,Villa KL,Lee JE,Zhang Q,Park J,Feng G,Nedivi E,Chung K</p>	<p>Year 2021</p> <p>Species Mouse</p>

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ICC/IF (2)

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