

Product Datasheet

NF-H Antibody NBP1-05215

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-05215

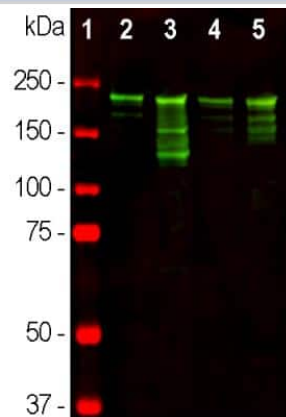
NF-H Antibody

Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Unpurified
Buffer	Whole antisera
Target Molecular Weight	200 kDa
Product Description	
Host	Rabbit
Gene ID	4744
Gene Symbol	NEFH
Species	Rat, Chicken
Marker	Neuronal Marker
Immunogen	Purified rat Neurofilament Heavy construct containing most of the tandem KSP repeats [UniProt# P16884]
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry Free-Floating
Recommended Dilutions	Western Blot 1:10000, ELISA 1:100-1:2000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:1000, Immunohistochemistry Free-Floating 1:2000
Application Notes	This 200kDa Neurofilament Heavy antibody is useful for ELISA, Immunocytochemistry/Immunofluorescence and Western Blot. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

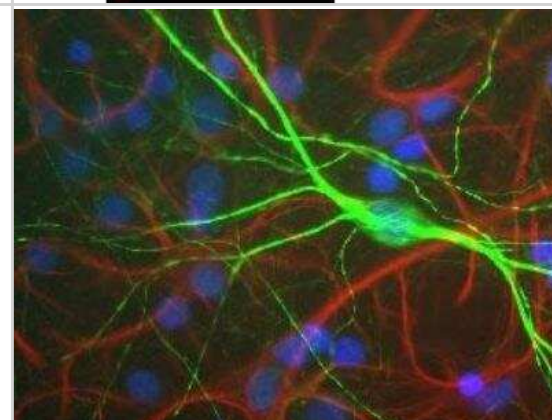


Images

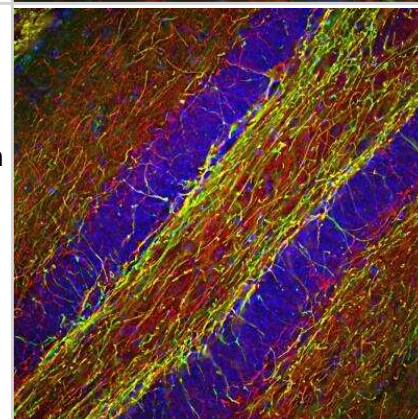
Western Blot: NF-H Antibody [NBP1-05215] - Analysis of different tissue lysates using NF-H antibody, dilution 1:10,000 (Green): [1] protein standard (Red), [2] rat brain, [3] rat spinal cord [4] mouse brain, and [5] mouse spinal cord lysate. Strong band at about 220kDa corresponds to the phosphorylated axonal form of the NF-H subunit. Smaller proteolytic fragments of NF-H are also detected.



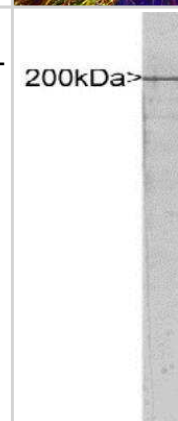
Immunocytochemistry/Immunofluorescence: NF-H Antibody [NBP1-05215] - Shows mixed neuron/glia rat brain cultures stained with NBP1-05215 (green) and chicken polyclonal antibody to Glial Fibrillary Acidic Protein (GFAP) NBP1-05198 (red). The neurofilament NF-H antibody binds to phosphorylated axonal forms of NF-H and non-phosphorylated dendritic and perikaryal forms.



Immunohistochemistry Free-Floating: NF-H Antibody [NBP1-05215] - Analysis of a mouse hippocampus section stained with NF-H antibody, dilution 1:2,000 (Red), and costained with mouse myelin basic protein mAb (MBP), dilution 1:5,000 (Green). DAPI staining of nuclear DNA (Blue). Following transcardial perfusion with 4% paraformaldehyde, brain was post fixed for 24hrs, cut to 45uM, and free-floating sections were stained with above antibodies. The NF-H antibody labels a network of axons of different neurons, while the MBP antibody stains myelin sheath around these axons.



Western Blot: NF-H Antibody [NBP1-05215] - Blot of rat spinal cord extract blotted with NBP1-05215. A major band running at 200kDa is NF-H, the major neurofilament subunit protein. A minor band at about 160kDa is the non-phosphorylated dendritic and perikaryal form of this protein.





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Products Related to NBP1-05215

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00004744-Q01-10ug	Recombinant Human NF-H GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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