

Product Datasheet

NF-H Antibody (9B12) - BSA Free NBP1-05210

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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NBP1-05210

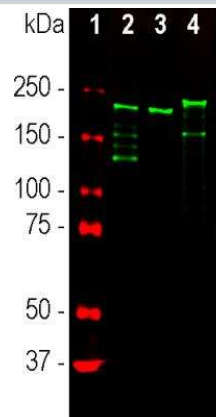
NF-H Antibody (9B12) - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	9B12
Preservative	0.035% Sodium Azide
Isotype	IgG2b
Purity	Affinity purified
Buffer	50% PBS, 50% glycerol
Target Molecular Weight	200 kDa
Product Description	
Host	Mouse
Gene ID	4744
Gene Symbol	NEFH
Species	Human, Mouse, Rat
Marker	Neuronal Marker
Immunogen	Native NF-H purified from bovine spinal cord, binding to phosphorylated KSP sequences.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry Free-Floating
Recommended Dilutions	Western Blot 1:10000, Immunohistochemistry 1:1000, Immunocytochemistry/ Immunofluorescence 1:1000, Immunohistochemistry Free-Floating 1:1000
Application Notes	This 200kDa Neurofilament Heavy antibody is useful for Immunocytochemistry/Immunofluorescence, Western Blot, and Immunohistochemistry.

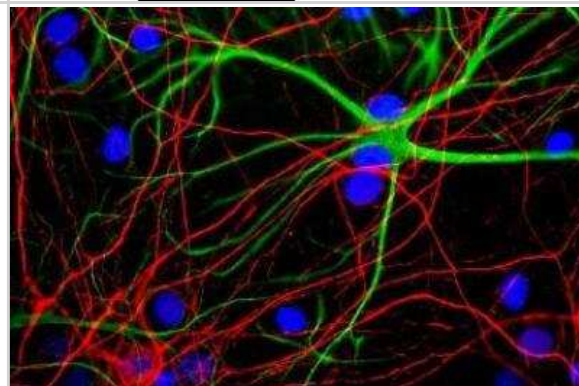


Images

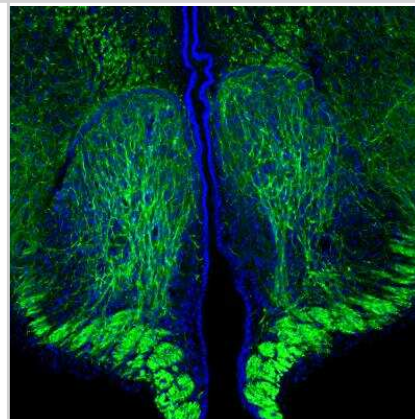
Western Blot: NF-H Antibody (9B12) [NBP1-05210] - Analysis of different tissue lysates using mouse mAb to NF-H, dilution 1:10000 (Green): [1] protein standard, [2] rat spinal cord [3] mouse spinal cord, and [4] cow spinal cord. Strong band at about 200-220kDa corresponds to the major phosphorylated form of the NF-H subunit. Smaller proteolytic fragments of NF-H are also detected in some preparations.



Immunocytochemistry/Immunofluorescence: NF-H Antibody (9B12) [NBP1-05210] - Mixed neuron/glia cultures stained with NBP1-05210 (red) and rabbit GFAP antibody NB300-141 (green). Axonal profiles are stained in red, while astrocytic cells are revealed in green. Nuclei are revealed with a fluorescent DNA stain (blue).



Immunohistochemistry Free-Floating: NF-H Antibody (9B12) [NBP1-05210] - Analysis of a rat brain coronal section of the third ventricle stained with mouse monoclonal antibody to phosphorylated NF-H, dilution 1:5,000 (Green). Hoechst 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 antibody. The antibody is a robust marker of the axons of neuronal cells.



Publications

Takenaka T, Ohnishi Y, Yamamoto M et al. Glycolytic System in Axons Supplement Decreased ATP Levels after Axotomy of the Peripheral Nerve eNeuro 2023-03-01 [PMID: 36894321] (Immunohistochemistry-Paraffin, Rat)



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Products Related to NBP1-05210

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
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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