

Product Datasheet

NF-H Antibody (NAP4) - BSA Free NB300-136

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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NB300-136

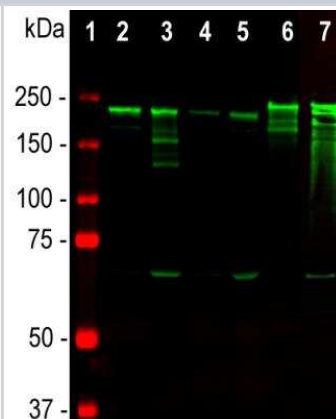
NF-H Antibody (NAP4) - BSA Free

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	NAP4
Preservative	5mM Sodium Azide
Isotype	IgG1
Purity	Affinity purified
Buffer	50% PBS, 50% glycerol
Target Molecular Weight	200-220 kDa
Product Description	
Host	Mouse
Gene ID	4744
Gene Symbol	NEFH
Species	Human, Mouse, Rat, Porcine, Bovine, Chicken, Equine
Marker	Neuronal Marker
Specificity/Sensitivity	Specifically recognizes the phosphorylated variant of NF-H subunit (~200-220 kDa), showing some weaker reactivity with phosphorylated forms of NF-M.
Immunogen	Native NF-H purified from bovine spinal cord
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:10000, Immunohistochemistry 1:1000, Immunocytochemistry/Immunofluorescence 1:1000, Immunohistochemistry-Paraffin 1:1000
Application Notes	This 200-220 kDa Neurofilament Heavy antibody can be used for ELISA, Immunohistochemistry on paraffin-embedded sections and Western blot.

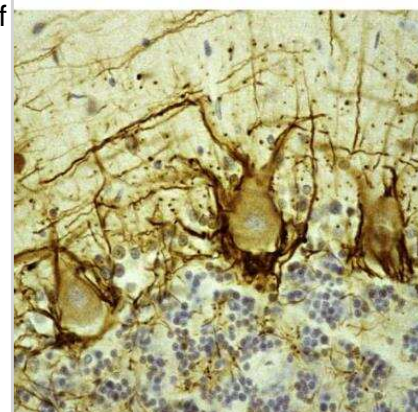


Images

Western Blot: NF-H Antibody (NAP4) [NB300-136] - Analysis of tissue lysates using mouse mAb to NF-H, NB300-136, dilution 1:10,000 in green: [1] protein standard (red), [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord, [6] pig spinal cord, [7] cow spinal cord. Strong band at about 200-220 kDa corresponds to the major phosphorylated form of the NF-H subunit. A minor band at about 160 kDa is the non-phosphorylated NF-H. Smaller proteolytic fragments of NF-H are also detected in spinal cord preparations with NB300-136 antibody.



Immunohistochemistry: NF-H Antibody (NAP4) [NB300-136] - Analysis of human cerebellar cortex section stained with mouse mAb to pNF-H, NB300-136, in brown. Paraffin-embedded, formalin-fixed tissue sections were stained with this antibody using the avidin biotin conjugate method. The sections were counterstained with Hematoxylin in blue. NB300-136 stains prominent basket cell axons surrounding the large Purkinje neurons. Cerebellar granule cell layer is at the bottom of the image, the molecular layer at the top.



Publications

Jasmin, J-F, Malhotra, S, Singh Dhallu, M, Mercier, I, Rosenbaum, D M, Lisanti, M P. Caveolin-1 Deficiency Increases Cerebral Ischemic Injury, . 100, 721-729. 2007-01-01 [PMID: 17293479] (IHC-P, Rat)

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Products Related to NB300-136

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
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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