Anti-Neurofilament NF-H Antibody
Our Anti-Neurofilament NF-H primary antibody from PhosphoSolutions is mouse monoclonal. It detects a
Catalog # AN1464

Specification

Anti-Neurofilament NF-H Antibody - Product Information

Application	**WB, IHC**
Primary Accession	P12036
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**111838**

Anti-Neurofilament NF-H Antibody - Additional Information

Gene ID	**4744**

Other Names
200 kDa neurofilament protein antibody, CMT2CC antibody, Nefh antibody, Neurofilament heavy polypeptide 200kDa antibody, Neurofilament heavy polypeptide antibody, Neurofilament triplet H protein antibody, NF H antibody, NF-H antibody, NFH antibody, NFH_HUMAN antibody

Target/Specificity
Neurofilaments are the 10nm or intermediate filament proteins found specifically in neurons, and are composed predominantly of three major proteins called NF-L, NF-M and NF-H (1). NF-H is the neurofilament high or heavy molecular weight polypeptide and runs on SDS-PAGE gels at 200-220 kDa, with some variability across species boundaries. Antibodies to NF-H are useful for identifying neuronal cells and their processes in tissue sections and in tissue culture. NF-H antibodies can also be useful to visualize neurofilament accumulations seen in many neurological diseases, such as Amyotrophic Lateral Sclerosis (Lou Gehrig's disease) (2) and Alzheimer's disease (3).

Dilution
WB~~1:1000
IHC~~1:100~500

Format
Protein G Purified

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Anti-Neurofilament NF-H Antibody is for research use only and not for use in diagnostic or therapeutic procedures.
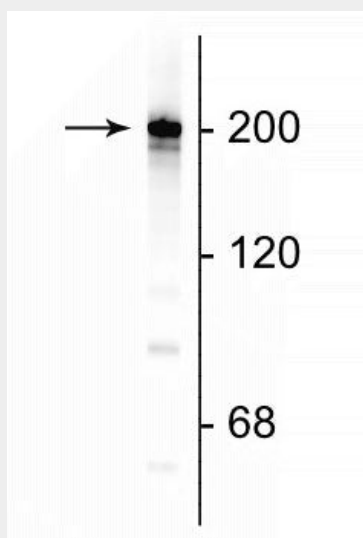
Shipping
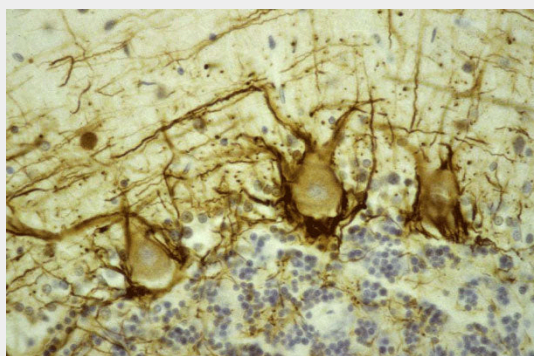Blue Ice

Anti-Neurofilament NF-H Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Neurofilament NF-H Antibody - Images

Western blot of rat cortical lysate showing specific immunolabeling of the ~200 kDa NF-H protein.

Immunostaining of human cerebellar cortex showing labeling of NF-H (cat. 1450-NFH, DAB, 1:500) in basket cell axons surrounding the large Purkinje neurons. Cerebellar granule cell layer is at the bottom of the image and the molecular layer at the top. Section was counterstained with Hematoxylin.

Anti-Neurofilament NF-H Antibody - Background

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