

Mouse Neurofilament NF-H Monoclonal Antibody | anti-NF-H antibody

Neurofilament NF-H

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA76630	Mouse	Human, Mouse, Rat, Bovine, Porcine, Equine	Immunofluorescence, Immunohistochemistry, Western Blot, Immunocytochemistry

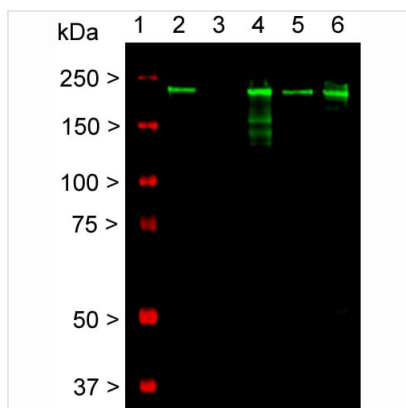
PRODUCT SYNONYMS

Neurofilament NF-H; Monoclonal Antibody; anti-NF-H antibody

PRODUCT SPECIFICATIONS

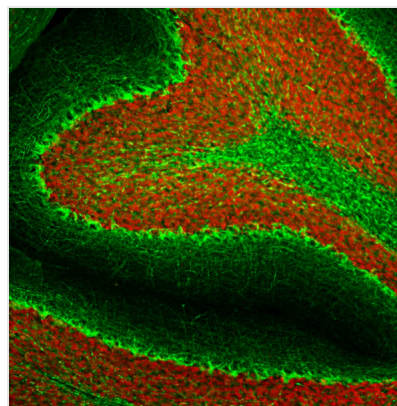
Host	Mouse
Reactivity	Human, Mouse, Rat, Bovine, Porcine, Equine
Clonality	Monoclonal
Isotype	Mouse IgG
Form/Format	Liquid Purified antibody at 1mg/mL in 50% PBS, 50% glycerol plus 5mM NaN3
Applicable Applications for anti-NF-H antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ICC (Immunocytochemistry)
Immunogen	Native NF-H purified from bovine spinal cord
Preparation and Storage	Antibody can also be aliquotted and stored frozen at -20 degree C in a manual defrost freezer for six months without detectable loss of activity. The antibody can be stored at 2-8 degree C for 1 month without detectable loss of activity. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Western blot detection of the heavily phosphorylated axonal form of NF-H protein (pNF-H) in neural tissue lysates (20ug/lane) with affinity purified mouse monoclonal anti-pNF-H antibody at dilution of 1:5,000. Lanes on the blot are: [1] Protein size marker, [2] Adult rat whole brain [3] Embryonic (E20) rat whole brain [4] Adult rat spinal cord [5] Adult mouse whole brain [6] Adult mouse spinal cord.



IHC (Immunohistochemistry)

Immunohistological analysis of rat cerebellum section stained with mouse mAb to pNF-H, MO22187, dilution 1:2,000 in green, and costained with rabbit pAb to FOX3/NeuN, dilution 1:5,000 in red. Following transcardial perfusion with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45uM, and free-floating sections were stained with above antibodies.

ADDITIONAL INFORMATION

Related Product Information for anti-NF-H antibody	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, though other proteins may also be present. NF-H is the neurofilament high or heavy molecular weight polypeptide and runs on SDS-PAGE gels at 200-220kDa, with some variability across species boundaries. Antibodies to NF-H are useful for identifying axonal processes in tissue sections and in culture. NF-H antibodies can also be useful in visualizing neurofilament accumulations seen in many neurological disorders, such as Amyotrophic Lateral Sclerosis (also known as Lou Gehrig's disease), Alzheimer's disease and following a traumatic injury.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	32483416
NCBI GeneID	4744
NCBI Accession #	NP_066554.2
NCBI GenBank Nucleotide #	NM_021076.3
UniProt Accession #	P12036; Q96HF8; Q9UJS7; Q9UQ14; B4DYY4
Molecular Weight	112,479 Da
NCBI Official Full Name	neurofilament heavy polypeptide
NCBI Official Synonym Full Names	neurofilament, heavy polypeptide
NCBI Official Symbol	NEFH
NCBI Official Synonym Symbols	NFH
NCBI Protein Information	neurofilament heavy polypeptide; NF-H; 200 kDa neurofilament protein; neurofilament triplet H protein; neurofilament, heavy polypeptide 200kDa
UniProt Protein Name	Neurofilament heavy polypeptide
UniProt Gene Name	NEFH
UniProt Synonym Gene Names	KIAA0845; NFH; NF-H
UniProt Entry Name	NFH_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/neurofilament-nf-h-antibody-immunofluorescence-immunohistochemistry-western-blot-immunocytochemistry-elisa/76630>