

Mouse NEFH Monoclonal Antibody | anti-NEFH antibody

NEFH antibody

CATALOG # AAA108160	HOST Mouse	APPLICATIONS Immunofluorescence, Western Blot
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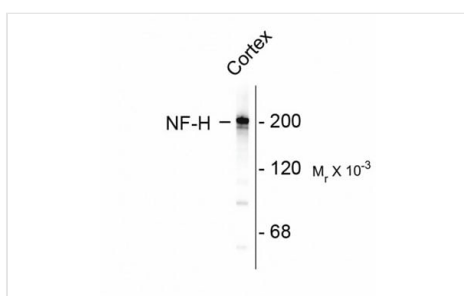
PRODUCT SYNONYMS

NEFH; Monoclonal Antibody; NEFH antibody; Monoclonal NEFH; Anti-NEFH; Neurofilament heavy polypeptide; Neurofilament triplet H protein; 200 kDa neurofilament protein; anti-NEFH antibody

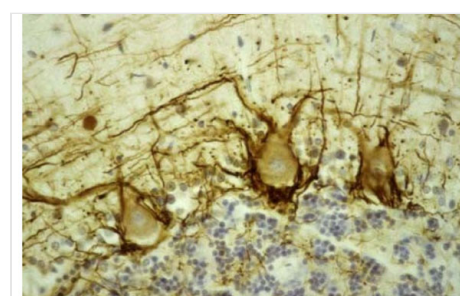
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	NAP4
Form/Format	Supplied in liquid form in 10 mM NaN ₃
Sequence Length	20
Applicable Applications for anti-NEFH antibody	IF (Immunofluorescence), WB (Western Blot)
Biological Significance	Neurofilaments are type IV intermediate filament heteropolymers composed of light, medium, and heavy chains. Neurofilaments comprise the axoskeleton and functionally maintain neuronal caliber. They may also play a role in intracellular transport to axons and dendrites. This gene encodes the heavy neurofilament protein. This protein is commonly used as a biomarker of neuronal damage and susceptibility to amyotrophic lateral sclerosis (ALS) has been associated with mutations in this gene.

IMAGES


WB (Western Blot)

Western blot of rat cortex lysate showing specific immunolabeling of ~ 200 k NEFH protein


IHC (Immunohistochemistry)

Immunohistochemical staining of human cerebellar cortex showing labeling of NF-H (brown) in basket cell axons surrounding the large Purkinje neurons

ADDITIONAL INFORMATION

Related Product Information for anti-NEFH antibody	Mouse monoclonal NEFH antibody
Product Categories/Family for anti-NEFH antibody	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	452862
NCBI GeneID	4744
Molecular Weight	105,639 Da
NCBI Official Full Name	neurofilament heavy subunit, partial
NCBI Official Synonym Full Names	neurofilament, heavy polypeptide
NCBI Official Symbol	NEFH
NCBI Official Synonym Symbols	NFH
NCBI Protein Information	neurofilament heavy polypeptide
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/nefh-antibody-clone-nap4-immunofluorescence-western-blot-elisa/108160>