

Neurofilament NF-H Antibody | anti-NEFH antibody

Neurofilament NF-H, phosphorylated, Affinity Purified Antibody, Rabbit

CATALOG # AAA76479	REACTIVITY Chicken, Human, Mouse, Primate, Rat	APPLICATIONS Western Blot, Immunohistochemistry, Immunocytochemistry
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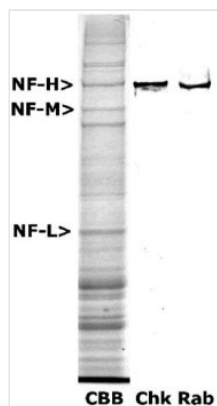
PRODUCT SYNONYMS

Neurofilament NF-H; phosphorylated; Affinity Purified Antibody; Rabbit; anti-NEFH antibody

PRODUCT SPECIFICATIONS

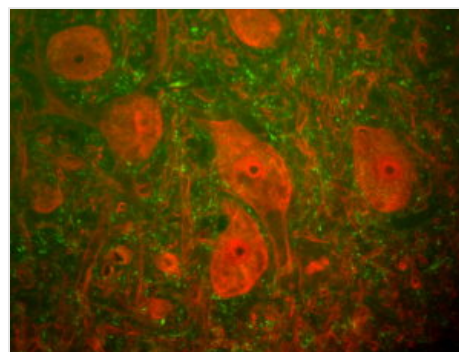
Reactivity	Chicken, Human, Mouse, Primate, Rat
Form/Format	Whole serum - Liquid
Sequence Length	1020
Applicable Applications for anti-NEFH antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry)
Type Info	Rabbit IgG
Immunogen	Bovine intermediate filaments were prepared from spinal cords by the method of Delacourte et al. and the cytoskeletal material was dissolved in 6M urea. Individual neurofilament subunits were purified by ion exchange chromatography on DEAE cellulose followed by preparative gel electrophoresis. The form of NF-H isolated is the heavily phosphorylated axonal variant, and the antibody generated recognizes predominantly axonal neurofilaments.

IMAGES



Application Data

Image: Lane labelled CBB shows Coomassie Brilliant Blue stained crude extract of rat spinal cord, with the prominent major neurofilament subunit indicated; In rodents, NF-H runs at 200kDa, NF-M at 145kDa and NF-L at 68kDa. A prominent band at an apparent SDS-PAGE molecular weight of 200kDa corresponds to phosphorylated form of NF-H. The lane marked Rab shows a similar blot probed with our rabbit antibody to NF-H. Protocol on datasheet.



Application Data

Image: Section of rat spinal cord stained with NF-H, phosphorylated (green) and monoclonal antibody to UCHL1 (red). The neurofilament NF-H antibody binds primarily to phosphorylated axonal forms of NF-H, and so stains axons coursing between the large UCHL1 positive neurons. These large cells are α-motoneurons and UCHL1 protein is a major component of the perikarya and dendrites of these cells. Protocol on datasheet

ADDITIONAL INFORMATION

Related Product Information for anti-NEFH antibody	Neurofilaments can be defined as the intermediate or 10nm filaments found in specifically in neuronal cells. In the electron microscope neurofilaments appears as 10nm diameter fibres of indeterminate length which generally have fine wispy protrusions from their sides. They are found particularly abundantly in axons of large projection neurons. Antibodies to the various neurofilament subunits are very useful cell type markers since the proteins are among the most abundant of the nervous system, are expressed only in neurons, and are biochemically very stable.
Product Categories/Family for anti-NEFH antibody	Antibodies; Neurofilament or NF Markers; Neurofilament NF-H; phosphorylated

NCBI AND UNIPROT INFORMATION

NCBI GI #	32483416
NCBI GeneID	4744
NCBI Accession #	NP_066554.2
NCBI GenBank Nucleotide #	NM_021076.3
Molecular Weight	105,639 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; CMT2CC
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/chicken-human-mouse-primate-rat-antibody/neurofilament-nf-h/76479>