

Mouse Neurofilament (H+L) Monoclonal Antibody | anti-NEFH antibody

Neurofilament (H+L) (Neuronal Marker) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62756	Mouse	Human, Mouse, Rat, Chicken, Pig	Immunohistochemistry, Flow Cytometry, Functional Assay

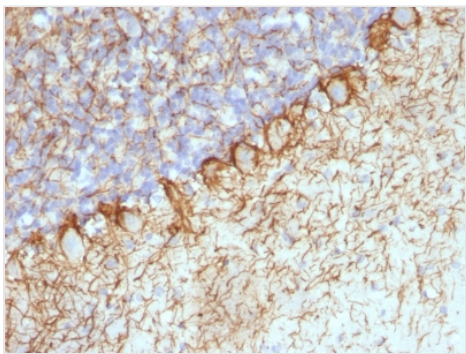
PRODUCT SYNONYMS

Neurofilament (H+L); Monoclonal Antibody; Neurofilament (H+L) (Neuronal Marker) Mouse Monoclonal Antibody; NEFH; Neurofilament H; Neurofilament Heavy Polypeptide 200kDa; Neurofilament Triplet H Protein; NF-H; NF200. 68kDa neurofilament protein; Light molecular weight neurofilament protein; NEFL; Neurofilament light polypeptide 68kDa; Neurofilament light polypeptide; Neurofilament protein; light chain; Neurofilament subunit NF-L; Neurofilament triplet L protein; NF-L; NF68; anti-NEFH antibody

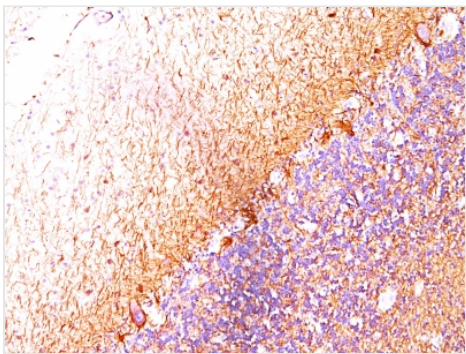
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat, Chicken, Pig
Clonality	Monoclonal
Isotype	IgG
Clone Number	RT-97 + NR-4
Specificity	This MAb reacts with a 200kDa and 68kDa protein, identified as heavy and light sub-units of neurofilaments (NF-H & NF-L). Neurofilaments make up the main structural elements of axons and dendrites and are found in neurons, peripheral nerves, and sympathetic ganglion cells. Neurofilaments consist of three major subunits with molecular weights of 68kDa (NF-L), 160kDa (NF-M) and 200kDa (NF-H). Anti-neurofilament stains a number of neural, neuroendocrine, and endocrine tumors. Neuromas, ganglioneuromas, gangliogliomas, ganglioneuroblastomas, and neuroblastomas stain positively for anti-neurofilament. Neurofilaments are also present in paragangliomas as well as adrenal and extra-adrenal pheochromocytomas. Carcinoids, neuroendocrine carcinomas of the skin, and oat cell carcinomas of the lung also express neurofilament.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	1020
Applicable Applications for anti-NEFH antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Cellular Localization	Cytoplasmic
Immunogen	Triton-X 100 insoluble proteins of rat brain (RT-97); Neurofilaments from porcine spinal cord (NR-4)
Hu-Chromosome Location	22q12.2 (NEFH) & 8p21.2 (NEFL)
Positive Control	Cerebellum, Neuroblastoma
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded Rat Cerebellum stained with Neurofilament Monoclonal Antibody (RT-97 + NR-4).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Cerebellum stained with Neurofilament Monoclonal Antibody (RT-97 + NR-4).

ADDITIONAL INFORMATION

References	Ishii M et. al. Fukushima J Med Sci. 2004;50(2):65-74. Angelides, K.J., et. al. 1989. J. Cell Biol. 108: 1495-1506.
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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	200kDa; 68kDa
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/monoclonal/neurofilament-hl-antibody-clone-rt-97-nr-4-immunohistochemistry-flow-cytometry-elisa/62756>