

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

Neurofilament (NF-H) (Neuronal Marker)

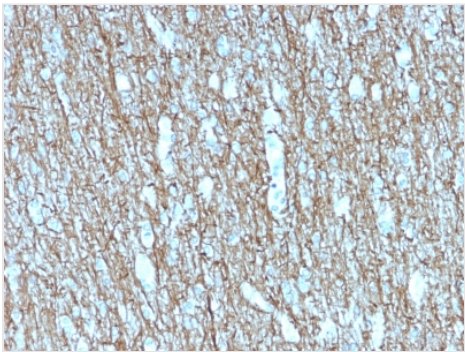
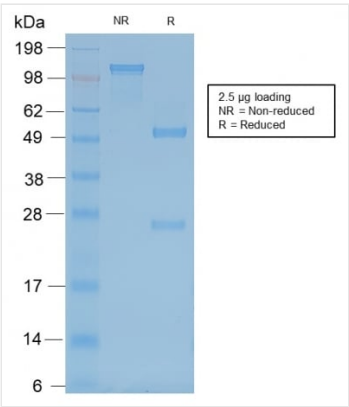
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214464	Mouse	Human, Mouse, Rat, Pig, Chicken. Others not known.	Immunohistochemistry

PRODUCT SYNONYMS

Neurofilament (NF-H); Monoclonal Antibody; Neurofilament (NF-H) (Neuronal Marker); NEFH; Neurofilament H; Neurofilament Heavy Polypeptide 200kDa; Neurofilament Triplet H Protein; NF-H; NF200; anti-NF-H antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat, Pig, Chicken. Others not known.
Clonality	Monoclonal
Isotype	IgG1
Clone Number	rNF421
Specificity	This MAb reacts with a 200kDa protein, identified as heavy sub-unit of neurofilaments (NF-H). 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 by Protein A/G. 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-NF-H antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant human neurofilament protein
Cellular Localization	Cytoplasmic
Hu-chromosome Location	22q12.2
Positive Control	Brain, 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.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Brain stained with Neurofilament Mouse Recombinant Monoclonal Antibody (rNF421).

SDS-PAGE
SDS-PAGE Analysis of Purified Neurofilament Mouse Recombinant Monoclonal Antibody (rNF421).

ADDITIONAL INFORMATION

References	Shaw G et. al. European Journal of Cell Biology. 34: 130-136 (1984). Shaw G et. al. European Journal of Cell Biology. 42: 1-9 (1986).
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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
NCBI Official Full Name	neurofilament heavy polypeptide
NCBI Official Synonym Full Names	neurofilament heavy
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

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.