Rabbit Neurofilament (NF-L) Monoclonal Antibody | anti-NF-L antibody

Neurofilament (NF-L) (Neuronal Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214786	**Rabbit**	**Human, Rat, Pig, Cow, Chicken. Others not known.**	**Immunohistochemistry**

PRODUCT SYNONYMS

Neurofilament (NF-L); Monoclonal Antibody; Neurofilament (NF-L) (Neuronal Marker); 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-NF-L antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat, Pig, Cow, Chicken. Others not known.
Clonality	Monoclonal
Isotype	IgG
Clone Number	NEFL/2983R
Specificity	This MAb reacts with a 68kDa protein, identified as light sub-unit of neurofilaments (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.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
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	543
Applicable Applications for anti-NF-L antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant full-length human NEFL protein
Positive Control	Brain, Neuroblastoma
Cellular Localization	Cytoplasmic
Chromosome Location	8p21.2
Preparation and Storage	Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES

SDS-PAGE
SDS-PAGE Analysis Purified Neurofilament Rabbit Monoclonal Antibody (NEFL/2983R). Confirmation of Purity and Integrity of Antibody.

IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Cerebellum stained with Neurofilament Rabbit Monoclonal Antibody (NEFL/2983R).

ADDITIONAL INFORMATION

Related Product Information for anti-NF-L antibody	Recombinant Rabbit Monoclonal Antibody
References	Angelides, K.J., et. al. 1989. J. Cell Biol. 108: 1495-1506.; Debus E., et al. Differentiation 25 (2): 193-203, (1983).

NCBI AND UNIPROT INFORMATION

NCBI GI #	105990539
NCBI GeneID	4747
NCBI Accession #	NP_006149.2
NCBI GenBank Nucleotide #	NM_006158.4
UniProt Accession #	P07196; Q16154; Q8IU72; B9ZVN2
Molecular Weight	68kDa
NCBI Official Full Name	neurofilament light polypeptide
NCBI Official Synonym Full Names	neurofilament light
NCBI Official Symbol	NEFL
NCBI Official Synonym Symbols	NFL; NF-L; NF68; CMT1F; CMT2E; CMTDIG; PPP1R110
NCBI Protein Information	neurofilament light polypeptide
UniProt Protein Name	Neurofilament light polypeptide
UniProt Gene Name	**NEFL**
UniProt Synonym Gene Names	NF68; NFL; NF-L

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-l-antibody-clone-nefl-2983r-immunohistochemistry-elisa/214786