

Neurofilament NF-L Antibody | anti-NEFL antibody

Neurofilament NF-L

CATALOG # AAA76522	REACTIVITY Cat, Chicken, Human, Mouse, Rat	APPLICATIONS Western Blot, Immunohistochemistry, Immunocytochemistry
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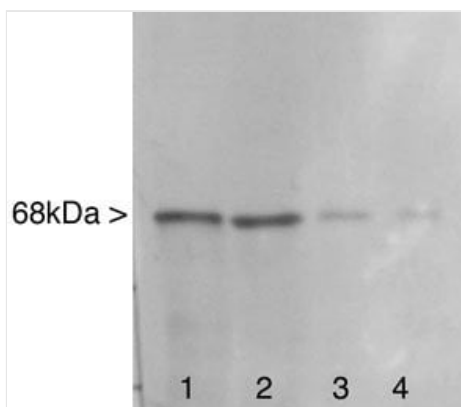
PRODUCT SYNONYMS

Neurofilament NF-L; anti-NEFL antibody

PRODUCT SPECIFICATIONS

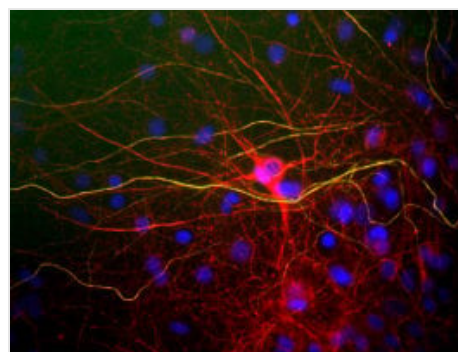
Reactivity	Cat, Chicken, Human, Mouse, Rat
Form/Format	Liquid
Sequence Length	543
Applicable Applications for anti-NEFL antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry)
Type Info	Chicken IgY
Immunogen	Intermediate filaments from bovine spinal cords and recombinant NF-L

IMAGES



Application Data

Image: NF-L western blots of whole protein extracts of rat spinal cord (lane 1), brain stem (lane 2), cerebellum (lane 3) and cerebral cortex (lane 4). Neurofilaments are concentrated in large projection axons and therefore NF-L is a much more major component of spinal cord than cortical regions. Protocol on datasheet.



Application Data

Image: View of mixed neuron/glia cultures stained with chicken polyclonal NF-L (red) and phosphorylated NF-H. The NF-L protein is assembled into neurofilaments which are found throughout the axons, dendrites and perikarya of these cells. In contrast the phosphorylated NF-H has a much more restricted expression pattern, being found only in developed axonal neurofilaments. Since both proteins are found in neurofilaments, the red and green patterns overlap, so that neurofilaments containing NF-L and phosphorylated NF-H appear yellowish. In contrast neurofilaments containing only NF-L appear red. Protocol on datasheet.

ADDITIONAL INFORMATION

Related Product Information for anti-NEFL 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-NEFL antibody	Antibodies ; Stem Cell Research Antibodies ; Neurofilament NF-L

NCBI AND UNIPROT INFORMATION

NCBI GI #	105990539
NCBI GeneID	4747
NCBI Accession #	NP_006149.2
NCBI GenBank Nucleotide #	NM_006158.4
Molecular Weight	61,517 Da
NCBI Official Full Name	neurofilament light polypeptide
NCBI Official Synonym Full Names	neurofilament, light polypeptide
NCBI Official Symbol	NEFL
NCBI Official Synonym Symbols	NFL; NF-L; NF68; CMT1F; CMT2E; 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
UniProt Entry Name	NFL_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/cat-chicken-human-mouse-rat-antibody/neurofilament-nf-l/76522>