

NEFH / NF-H Antibody (clone RNF402)
Mouse Monoclonal Antibody
Catalog # ALS14879

Specification

NEFH / NF-H Antibody (clone RNF402) - Product Information

Application	IHC
Primary Accession	P12036
Reactivity	Human, Mouse, Rat, Rabbit, Hamster, Monkey, Chicken, Sheep, Xenopus, Bovine, Guinea Pig, Dog
Host	Mouse
Clonality	Monoclonal
Calculated MW	112kDa KDa

NEFH / NF-H Antibody (clone RNF402) - Additional Information

Gene ID 4744

Other Names

Neurofilament heavy polypeptide, NF-H, 200 kDa neurofilament protein, Neurofilament triplet H protein, NEFH, KIAA0845, NFH

Target/Specificity

Reacts with both the phosphorylated and non-phosphorylated isoform of the 200 kD neurofilament protein.

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

NEFH / NF-H Antibody (clone RNF402) is for research use only and not for use in diagnostic or therapeutic procedures.

NEFH / NF-H Antibody (clone RNF402) - Protein Information

Name NEFH

Synonyms KIAA0845, NFH

Function

Neurofilaments usually contain three intermediate filament proteins: NEFL, NEFM, and NEFH which are involved in the maintenance of neuronal caliber. NEFH has an important function in mature axons that is not subserved by the two smaller NF proteins. May additionally cooperate with the neuronal intermediate filament proteins PRPH and INA to form neuronal filamentous networks (By similarity).

Cellular Location

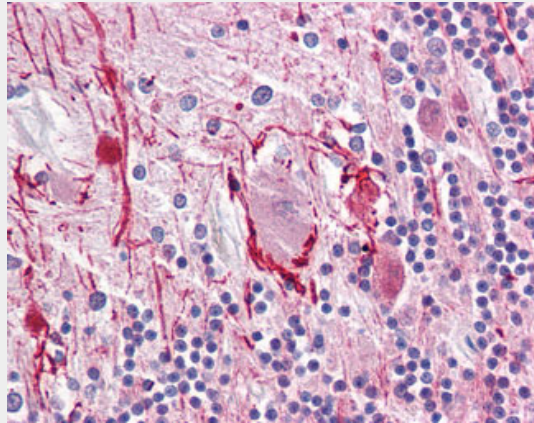
Cytoplasm, cytoskeleton. Cell projection, axon {ECO:0000250|UniProtKB:P19246}

NEFH / NF-H Antibody (clone RNF402) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NEFH / NF-H Antibody (clone RNF402) - Images



Anti-NEFH antibody IHC of human brain, cerebellum.

NEFH / NF-H Antibody (clone RNF402) - Background

Neurofilaments usually contain three intermediate filament proteins: L, M, and H which are involved in the maintenance of neuronal caliber. NF-H has an important function in mature axons that is not subserved by the two smaller NF proteins.

NEFH / NF-H Antibody (clone RNF402) - References

- Lees J.F., et al. EMBO J. 7:1947-1955(1988).
Zhu Y., et al. Beijing Yi Ke Da Xue Xue Bao 31:531-531(1999).
Nagase T., et al. DNA Res. 5:355-364(1998).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Dunham I., et al. Nature 402:489-495(1999).