

NF-L / NEFL Antibody
Rabbit Polyclonal Antibody
Catalog # ALS16113

Specification

NF-L / NEFL Antibody - Product Information

Application	ICC, IHC
Primary Accession	P07196
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	62kDa KDa

NF-L / NEFL Antibody - Additional Information

Gene ID 4747

Other Names

Neurofilament light polypeptide, NF-L, 68 kDa neurofilament protein, Neurofilament triplet L protein, NEFL, NF68, NFL

Target/Specificity

Human NF-L / NEFL

Reconstitution & Storage

+4°C or -20°C, Avoid repeated freezing and thawing.

Precautions

NF-L / NEFL Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

NF-L / NEFL Antibody - Protein Information

Name NEFL

Synonyms NF68, NFL

Function

Neurofilaments usually contain three intermediate filament proteins: NEFL, NEFM, and NEFH which are involved in the maintenance of neuronal caliber. May additionally cooperate with the neuronal intermediate filament proteins PRPH and INA to form neuronal filamentous networks (By similarity).

Cellular Location

Cell projection, axon {ECO:0000250|UniProtKB:P08551}. Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:P08551}

Volume

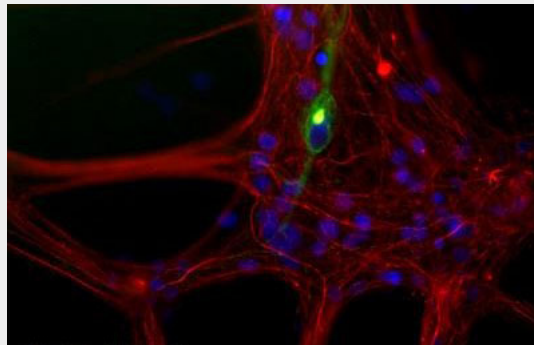
50 μ l

NF-L / NEFL Antibody - Protocols

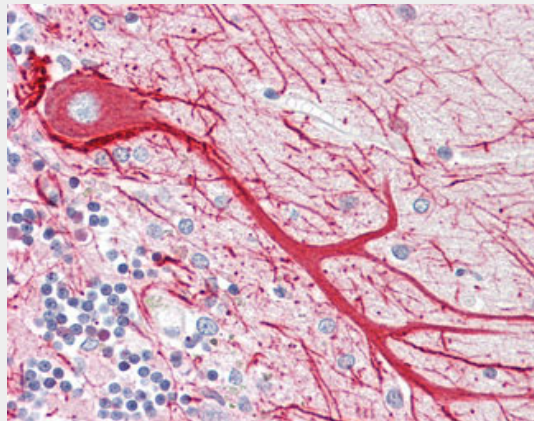
Provided below are standard protocols that you may find useful for product applications.

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

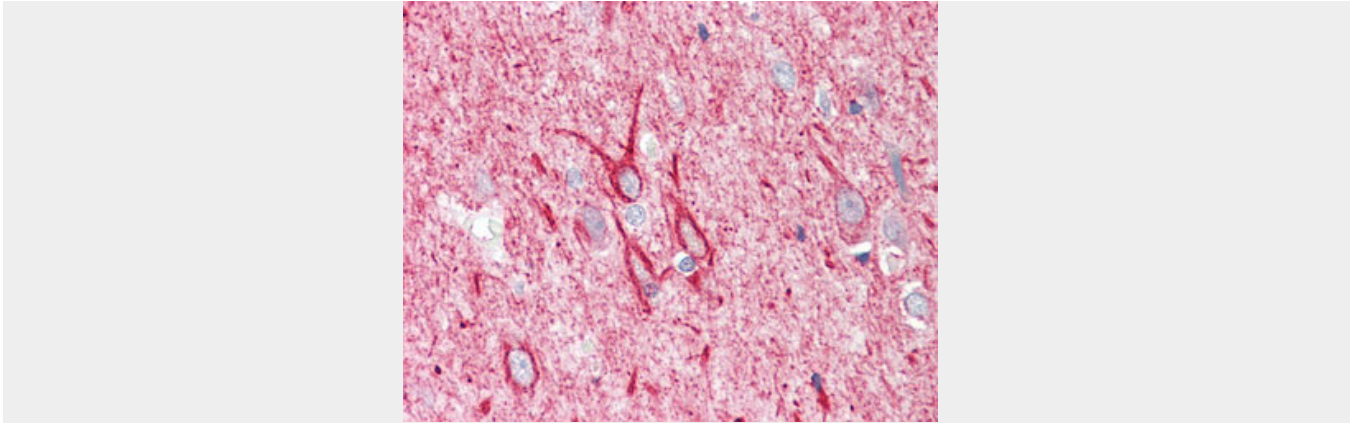
NF-L / NEFL Antibody - Images



Mixed neuron/glia cultures from newborn rat brain stained with antibody to peripherin (green)...



Anti-NF-L / NEFL antibody IHC staining of human brain, cerebellum.



Anti-NF-L / NEFL antibody IHC staining of human brain, cortex.

NF-L / NEFL Antibody - Background

Neurofilaments usually contain three intermediate filament proteins: L, M, and H which are involved in the maintenance of neuronal caliber.

NF-L / NEFL Antibody - References

- Julien J.-P., et al. *Biochim. Biophys. Acta* 909:10-20(1987).
Perez-Olle R., et al. *J. Cell Sci.* 115:4937-4946(2002).
Nusbaum C., et al. *Nature* 439:331-335(2006).
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Pospelov V.A., et al. *Cell Growth Differ.* 5:187-196(1994).