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Neurofilament L (NF-L) Antibody
Chicken polyclonal antibody
Catalog # AN1199

Specification

Neurofilament L (NF-L) Antibody - Product Information

Application	**WB**
Primary Accession	P02548
Reactivity	**Rat**
Predicted	**Chicken, Human, Mouse**
Host	**Chicken**
Clonality	**polyclonal**
Calculated MW	**68 KDa**

Neurofilament L (NF-L) Antibody - Additional Information

Gene ID	**4747**
Gene Name	**NEFL**

Other Names
Neurofilament light polypeptide, NF-L, 68 kDa neurofilament protein, Micro glutamic acid-rich protein, Neurofilament triplet L protein, NEFL

Target/Specificity
Preparation of bovine spinal cord NF-L.

Dilution
WB~~ 1:10000

Format
Total IgY fraction

Antibody Specificity
Specific for the ~68k Neurofilament L protein in Western blots and works well on frozen sections, cells in tissue culture and on mildly formalin fixed histological sections.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Neurofilament L (NF-L) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping
Blue Ice

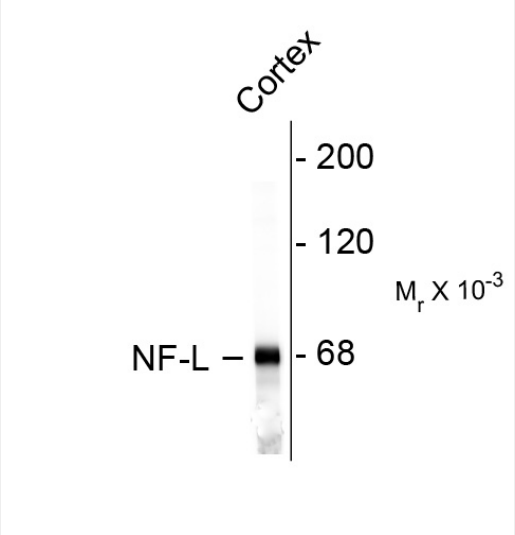
Neurofilament L (NF-L) Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Neurofilament L (NF-L) Antibody - Images



Western blot of rat cortex lysate showing specificimmunolableing of the ~ 68k NF-L protein.

Neurofilament L (NF-L) Antibody - Background

Neurofilaments are the 10nm or intermediate filament proteins found specifically in neurons, and are composed predominantly of three major proteins called NF-L, NF-M and NF-H (1). NF-L is the neurofilament light or low molecular weight polypeptide and runs on SDS-PAGE gels at about 68kDa. Antibodies to NF-L are useful for identifying neuronal cells and their processes in tissue sections and in tissue culture. Mutations in the protein coding region of the human NF-L gene cause some forms of Charcot-Marie-Tooth disease (2).

Neurofilament L (NF-L) Antibody - References

1.
Harris, J., Ayyub, C. and Shaw G. (1991) A molecular dissection of the carboxyterminal tails of the major neurofilament subunits NF-M and NF-H. J Neurosci Res 30:47-62.
2. Mersiyanova IV, Perepelov AV, Polyakov AV, Sitnikov VF, Dadali EL, Oparin RB, Petrin AN and Evgrafov OV. (2000) A new variant of Charcot-Marie-Tooth disease type 2 is probably the result of a mutation in the neurofilament-light gene. Am. J. Hum. Genet. 67:37-46.