NF-M Antibody, Rabbit Polyclonal Antibody

Catalog Number: 18-271-81036

Related Product Names:
- Nef3 antibody; Nef3; Nefm; Nfm; NF-M
- Rabbit Anti NF-M; 160 kDa neurofilament protein; Neurofilament medium polypeptide; NF-M; NF-M [Mus musculus]; Neurofilament triplet M protein

- Gene Information -

Information in yellow represents specific gene information and does not necessarily represent specific product details. For more information please contact sales@genwaybio.com.

Gene Name: Nef3
Gene Name Synonym: Nefm; Nfm
Gi #: 297529
NCBI Acc #: CAA29127.1
Swiss Prot Acc #: P08553
Length (aa): 849
Mol. Weight (Da): 95910
Chrom Location: N/A

Clone: A00144.01

Specificity: NF-M from human, rat, mouse, cat, chicken.

Application: For the detection of ubiquitinated inclusions seen in human neurodegenerative diseases such as the neurofibrillary tangles of Alzheimer’s disease. Dilution 1:500 for this purpose, using ABC or other enzymatic amplification procedures. Immunofluorescence

Source/Host: Rabbit
Clonality: Polyclonal

Storage: 4 degree C for short term (weeks) and -20 degree C for long term.
Stability: 6-12 months at -20 degree C.
Shipping: Products may be shipped on ice pack or dry ice.

TESTING: (secondary reagents and protocols)
Not Available

NEF3 ANTIBODY TARGET DESCRIPTION:

Synonym Names for Nef3 antibody: Nef3; Nefm; Nfm; Rabbit Anti NF-M; 160 kDa neurofilament protein; Neurofilament medium polypeptide; NF-M; NF-M [Mus musculus]; Neurofilament triplet M protein

Neurofilaments can be defined as the intermediate or 10nm diameter filaments found in neuronal cells. They are composed of a mixture of subunits which often includes the neurofilament triplet proteins. NF-L, NF-M and NF-H. Neurofilaments may also include per

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

Ptm: There are a number of repeats of the tripeptide K-S-P, NFM is phosphorylated on a number of the serines in this motif. It is thought that phosphorylation of NFM results in the formation of interfilament cross bridges that are important in the maintenance of axonal caliber.
**Ptm:** Phosphorylation seems to play a major role in the functioning of the larger neurofilament polypeptides (NF-M and NF-H), the levels of phosphorylation being altered developmentally and coincident with a change in the neurofilament function.

**Similarity:** Belongs to the intermediate filament family.

**BACKGROUND REFERENCES for NEF3 ANTIBODY:**

Background references for antibody target are not specific to GenWay products

*Structure and evolutionary origin of the gene encoding mouse NF-M, the middle-molecular-mass neurofilament protein*

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*Cloning and developmental expression of the murine neurofilament gene family.*

*Proteomic analysis of in vivo phosphorylated synaptic proteins.*

*Comprehensive identification of phosphorylation sites in postsynaptic density preparations.*

*O-linked N-acetylglucosamine proteomics of postsynaptic density preparations using lectin weak affinity chromatography and mass spectrometry.*

**Order Confirmation:** Sales order confirmations are sent out upon the receipt of all orders. Please contact GenWay if you do not receive a confirmation within 1 business day of submitting your order.

**Precautions:** Nef3 antibody is for in vitro research use only. Not for use in diagnostics or therapeutic procedures.

**Important Notes:** During shipment, small volumes of Nef3 antibody vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap. Actual concentration, volume and quantity will be printed on the vial's label. Please refer to the vials label for this information.

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