NF-M Polyclonal ANTIBODY

Catalog Number: 25805-1-AP

Basic Information

Catalog Number: 25805-1-AP
Size: 32 μg/150 μl
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification
Immunogen Catalog Number: AG22709

Catalog Number:
GenBank Accession Number: BC004241
GeneID (NCBI): 4741
Full Name: neurofilament, medium polypeptide
Calculated MW: 102 kDa
Observed MW: 140 kDa

Recommended Dilutions:
WB: 1:500-1:2000
IHC: 1:20-1:200

Applications

Tested Applications:
IHC, WB, ELISA

Cited Applications:
WB

Species Specificity:
Human, rat, mouse

Cited Species:
Mouse

Background Information

NEFM, also named as NEF3 and NFM, belongs to the intermediate filament family. Neurofilaments are the 10nm intermediate filaments found specifically in neurons. They are a major component of the cell’s cytoskeleton, and provide support for normal axonal radial growth. Neurofilaments usually contain three intermediate filament proteins: L, M, and H which are involved in the maintenance of neuronal caliber. The names given to the three major neurofilament subunits are based upon the apparent molecular weight of the mammalian subunits on SDS-PAGE: NF-L, 65-68kDa; NF-M, 145-160kDa and NF-H, 200-220kDa. This antibody recognizes endogenous NF-M protein.

Notable Publications

<table>
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<tr>
<th>Author</th>
<th>PubMed ID</th>
<th>Journal</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natasha L Pacheco</td>
<td>29090078</td>
<td>Mol Autism</td>
<td>WB</td>
</tr>
</tbody>
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Storage

Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For Research Use Only

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
Selected Validation Data

Mouse brain tissue were subjected to SDS-PAGE followed by western blot with 25805-1-AP NEFM Antibody at dilution of 1:1000 incubated at room temperature for 1.5 hours.

Immunohistochemistry of paraffin-embedded mouse brain tissue slide using 25805-1-AP NEFM Antibody at dilution of 1:50 (under 10x lens)

Immunohistochemistry of paraffin-embedded mouse brain tissue slide using 25805-1-AP NEFM Antibody at dilution of 1:50 (under 40x lens)