

NEFM Recombinant Mouse mAb

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Catalog # AP94808

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P08553
Reactivity	Rat, Human, Mouse
Host	Mouse
Clonality	Recombinant
Calculated MW	95916
Physical State	Liquid
Immunogen	Recombinant Mouse NF-M protein
Isotype	IgG1
Purity	Affinity Purification
Buffer	PBS with 100 μ g/ml BSA, 0.15% ProClin300 and 50% glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	18040
Other Names	Neurofilament medium polypeptide, NF-M, 160 kDa neurofilament protein, Neurofilament 3, Neurofilament triplet M protein, Nefm, Nef3, Nfm
Dilution	WB=1: 500- 2000, IHC-P=1: 200-500, IF=1: 200-500, IHC-F=1: 200-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	Nefm
Synonyms	Nef3, Nfm
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 (PubMed:[22723690](#)).

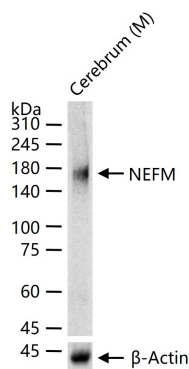
Cellular Location Cytoplasm, cytoskeleton. Cell projection, axon

Tissue Location Expressed in the sciatic nerve (at protein level).

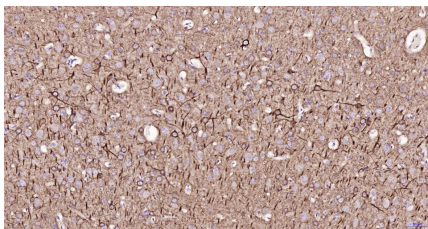
Background

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Images



25 ug total protein per lane of various lysates (see on figure) probed with NEFM monoclonal antibody, unconjugated (AP94808) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Rat Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with NEFM Monoclonal Antibody, Unconjugated(AP94808) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Mouse, sp-0024) and DAB (C-0010) staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.