Product Name: NF-M Rabbit Polyclonal Antibody
Catalog #: APRab14657

Summary

Production Name	NF-M Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	NEFM
Alternative Names	NEFM; NEF3; NFM; Neurofilament medium polypeptide; NF-M; 160 kDa neurofilament protein; Neurofilament 3; Neurofilament triplet M protein
Gene ID	4741.0
SwissProt ID	P07197.The antiserum was produced against synthesized peptide derived from human NF-M. AA range:542-591

Application

Dilution Ratio	WB 1:500-2000; ELISA 2000-20000
Molecular Weight	110kD

Background

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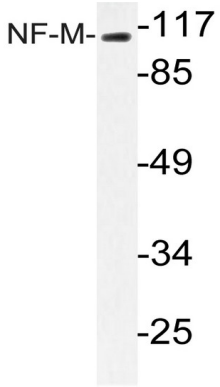
neurofilament, medium polypeptide(NEFM) Homo sapiens Neurofilaments are type IV intermediate filament heteropolymers composed of light, medium, and heavy chains. Neurofilaments comprise the axoskeleton and functionally maintain neuronal caliber. They may also play a role in intracellular transport to axons and dendrites. This gene encodes the medium neurofilament protein. This protein is commonly used as a biomarker of neuronal damage. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Oct 2008],function:Neurofilaments usually contain three intermediate filament proteins: L, M, and H which are involved in the maintenance of neuronal 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.,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.,similarity:Belongs to the intermediate filament family.,

Research Area

Amyotrophic lateral sclerosis (ALS);

Image Data



Western blot analysis of lysate from MCF-7cells, using NF-M antibody.

Note

For research use only.