NEFM Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NEFM, Polyclonal Antibody
Full Product Name	NEFM Polyclonal Antibody
Product Gene Name	anti-NEFM antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse, Rat
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	59kDa; 102kDa
OMIM	162250
3D Structure	ModBase 3D Structure for P07197
Immunogen	A synthetic peptide of human NEFM (NP_005373.2).
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-NEFM antibody	Western Blot (WB), Immunofluorescence (IF)
Application Notes for anti-NEFM antibody	WB: 1:500-1:2000 IF: 1:50-1:200
Related Product Information for anti-NEFM antibody	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.
Other Notes	Small volumes of anti-NEFM antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for NEFM purchase	MBS8571065 is an antibody targeting NEFM. Also known as NEFM Polyclonal Antibody. Reactive in Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NEFM. It may not necessarily be applicable to this product.

NCBI GI #	157738649
NCBI GeneID	4741
NCBI Accession #	NP_005373.2
UniProt Primary Accession #	P07197

UniProt Related Accession #	P07197
GenBank Nucleotide #	NP_005373.2
NCBI Official Full Name	neurofilament medium polypeptide isoform 1
NCBI Official Synonym Full Names	neurofilament medium
NCBI Official Symbol	NEFM
NCBI Official Synonym Symbols	NFM; NEF3; NF-M
UniProt Protein Name	Neurofilament medium polypeptide
UniProt Synonym Protein Names	160 kDa neurofilament protein; Neurofilament 3; Neurofilament triplet M protein
Protein Family	Neurofilament medium polypeptide
UniProt Gene Name	NEFM
UniProt Synonym Gene Names	NEF3; NFM; NF-M
UniProt Entry Name	NFM_HUMAN
NCBI Protein Information	neurofilament medium polypeptide
UniProt Comments for NEFM	NFM: a neurofilament intermediate filament protein. Neurofilaments usually contain three intermediate filament proteins: L, M, and H which are involved in the maintenance of neuronal caliber. The levels of phosphorylation are altered developmentally and coincident with a change in the neurofilament function. Protein type: Cytoskeletal Chromosomal Location of Human Ortholog: 8p21 Cellular Component: axon; neurofilament; neuromuscular junction Molecular Function: protein binding; structural constituent of cytoskeleton; microtubule binding Biological Process: neurofilament bundle assembly; regulation of axon diameter; axon cargo transport; microtubule cytoskeleton organization and biogenesis
Research Articles on NEFM	**1.** the regulation of NEFM and NEFH mRNA levels by miRNAs, was investigated.
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