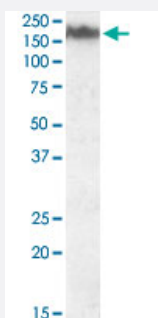


NEFM polyclonal antibody

Catalog # PAB17252

Size 100 ug

Applications



Western Blot (Tissue lysate)

NEFM polyclonal antibody (Cat # PAB17252) (0.03 ug/mL) staining of mouse brain lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of NEFM.
Immunogen	A synthetic peptide corresponding to amino acids at internal region of human NEFM.
Sequence	C-QASHITVERKDYLK
Host	Goat
Theoretical MW (kDa)	102, 59.5
Reactivity	Mouse
Specificity	This antibody is expected to recognize both reported isoforms (NP_005373.2; NP_001099011.1).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:128000) Western Blot (0.03-0.1 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

NEFM polyclonal antibody (Cat # PAB17252) (0.03 ug/mL) staining of mouse brain lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — NEFM

Entrez GeneID	4741
Protein Accession#	NP_005373.2;NP_001099011.1
Gene Name	NEFM
Gene Alias	NEF3, NF-M, NFM
Gene Description	neurofilament, medium polypeptide
Omim ID	162250
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	neurofilament triplet M protein neurofilament, medium polypeptide 150kDa neurofilament-3 (150 kD medium)

Publication Reference

- [Structure and evolutionary origin of the gene encoding mouse NF-M, the middle-molecular-mass neurofilament protein.](#)

Levy E, Liem RK, D'Eustachio P, Cowan NJ.

European Journal of Biochemistry 1987 Jul; 166(1):71.

Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)

Disease

- [Acute Disease](#)
- [Genetic Predisposition to Disease](#)
- [Parkinson disease](#)
- [Psychiatric Status Rating Scales](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)