



Anti-NEFM (internal region) polyclonal antibody (DPAB-DC2013)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Specificity	This antibody is expected to recognize both reported isoforms (NP_005373.2; NP_001099011.1).
Immunogen	A synthetic peptide corresponding to amino acids at internal region of human NEFM. The sequence is C-QASHITVERKDYLK
Source/Host	Goat
Species Reactivity	Mouse
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	WB (Tissue lysate), ELISA,
Format	Liquid
Concentration	0.5 mg/mL
Size	100 µg
Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)

Preservative	0.02% Sodium Azide
Storage	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	NEFM neurofilament, medium polypeptide [Homo sapiens (human)]
Official Symbol	NEFM
Synonyms	NEFM; neurofilament, medium polypeptide; NFM; NEF3; NF-M; neurofilament medium polypeptide; neurofilament 3; 160 kDa neurofilament protein; neurofilament triplet M protein; neurofilament-3 (150 kD medium); neurofilament, medium polypeptide 150kDa;
Entrez Gene ID	4741
Protein Refseq	NP_001099011
UniProt ID	Q9UK51
Chromosome Location	8p21
Pathway	Amyotrophic lateral sclerosis (ALS);
Function	microtubule binding; protein binding; structural constituent of cytoskeleton;
