



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

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

## PRODUCT INFORMATION

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

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

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">NEFM neurofilament, medium polypeptide [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	NEFM
<b>Synonyms</b>	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;
<b>Entrez Gene ID</b>	<a href="#">4741</a>
<b>Protein Refseq</b>	<a href="#">NP_001099011</a>
<b>UniProt ID</b>	<a href="#">Q9UK51</a>
<b>Chromosome Location</b>	8p21
<b>Pathway</b>	Amyotrophic lateral sclerosis (ALS);
<b>Function</b>	microtubule binding; protein binding; structural constituent of cytoskeleton;