



Mouse Anti-Human NF-L (aa 446-456) Monoclonal Antibody, clone EB3 (DMAB-JXL2355)

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

PRODUCT INFORMATION

Specificity	Predicted species reactivity Mouse, Rat, Human, Pig, Cow, Horse
Immunogen	Full length dephosphorylated neurofilament L protein of porcine origin
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Mouse, Rat
Clone	EB3
Purification	Protein G affinity chromatography
Conjugate	Unconjugated
Applications	WB 50ng/ml; ICC 1µg/ml Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Epitope	Amino acids 446 - 456 (HVQEEQIEVE)
Format	Purified, Liquid
Concentration	1.0 mg/ml
Size	25 µg, 100 µg

Buffer	50% PBS, 50% glycerol + 5mM sodium azide
Preservative	5mM sodium azide
Storage	Stored at -20°C. (Avoid repeated freeze / thaw cycles.)

BACKGROUND

Introduction	Neurofilaments are the 10nm or intermediate filament proteins found specifically in neurons, and are composed predominantly of three major proteins called NF-L, NF-M and NF-H, though other filament proteins may be included also. The major function of neurofilaments is likely to control the diameter of large axons. NF-L is the neurofilament light or low molecular weight polypeptide and runs on SDS-PAGE gels at 68-70kDa with some variability across species.
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GENE INFORMATION

Synonyms	NF-L, NFL, 68 kDa neurofilament protein, Neurofilament triplet L protein, Neurofilament light polypeptide
UniProt ID	P07196
Function	Neurofilaments comprise the axoskeleton and they functionally maintain the neuronal caliber. They may also play a role in intracellular transport to axons and dendrites.