

Anti-NF-L Antibody (4X503)

Product Details

Ig Type:	IgG2a
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 68 kDa. Actual: 68 kDa.
Clone:	4X503
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample: Lane 1: Human U251 cell lysates Primary: Anti-NF-L (TMAB-09445) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 68 kDa Observed band size: 68 kDa
	2. Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (NF-L) Monoclonal Antibody, Unconjugated (TMAB-09445) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.
	3. Paraformaldehyde-fixed, paraffin embedded (rat cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (NF-L) Monoclonal Antibody, Unconjugated (TMAB-09445) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.
	4. Paraformaldehyde-fixed, paraffin embedded (mouse cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (NF-L) Monoclonal Antibody, Unconjugated (TMAB-09445) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.
Application:	IF,IHC-Fr,IHC-P,WB
Recommended	IF=1:200-500; IHC-Fr=1:200-500; IHC-P=1:200-500; WB=1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: Human NF-L Protein
Antigen Species: Human
Gene ID: 4747
Uniprot ID: P07196

Research Background

Neurofilament light polypeptide also called NF-L; Neurofilament triplet L protein; 68 kDa neurofilament protein. Neurofilaments usually contain three intermediate filament proteins: L, M, and H which are involved in the maintenance of neuronal caliber. The extra mass and high charge density that distinguish the neurofilament proteins from all other intermediate filament proteins are due to the tailpiece extensions. This region may form a charged scaffolding structure suitable for interaction with other neuronal components or ions. NF-L is the most abundant of the three neurofilament proteins and, as the other nonepithelial intermediate filament proteins, it can form homopolymeric 10-nm filaments. Belongs to the intermediate filament family.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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