

## Anti-NF-L Antibody (2P326)

## Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat (predicted:Human)
Molecular Weight:	Theoretical: 68 kDa.
Clone:	2P326
Purification:	Protein A purified

## Applications

Verified Activity:	<ol style="list-style-type: none"><li>1. Paraformaldehyde-fixed, paraffin embedded (rat cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; 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-09444) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.</li><li>2. Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; 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-09444) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.</li><li>3. Paraformaldehyde-fixed, paraffin embedded (mouse cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; 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-09444) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.</li><li>4. Paraformaldehyde-fixed, paraffin embedded Rat Spinal Cord; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with NF-L Monoclonal Antibody, Unconjugated (TMAB-09444) at 1: 200 overnight at 4°C, followed by conjugation to the AffiniPure Goat Anti-Mouse IgG H&amp;L-HRP and DAB staining.</li><li>5. Paraformaldehyde-fixed, paraffin embedded Rat Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with NF-L Monoclonal Antibody, Unconjugated (TMAB-09444) at 1: 200 overnight at 4°C, followed by conjugation to the AffiniPure Goat Anti-Mouse IgG H&amp;L-HRP and DAB staining.</li></ol>
Application:	IHC-P,IHC-Fr,IF
Recommended	IHC-P: 1:200-800; IHC-Fr: 1:200-800; IF: 1:200-800

## 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

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### 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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