

## Recombinant Neurofilament heavy polypeptide Monoclonal Antibody

catalog number: AN301031L

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

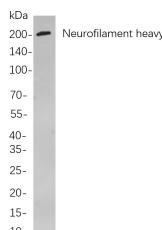
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant Human Neurofilament heavy polypeptide protein
Host	Rabbit
Isotype	IgG, $\kappa$
Clone	B782
Purification	Protein A
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

### Applications

### Recommended Dilution

IHC	1:200-1:1000
WB	1:1000-1:5000
IF	1:200-1:1000
ELISA	1:5000-1:20000

### Data



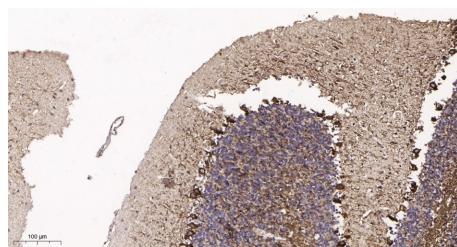
Western Blot with Recombinant Neurofilament heavy polypeptide Monoclonal Antibody at dilution of 1:1000 dilution. Lane A: Mouse brain cells.

Observed-MW:180-200 kDa

Calculated-MW:110 kDa



Immunohistochemistry of paraffin-embedded human brain tissue using Recombinant Neurofilament heavy polypeptide Monoclonal Antibody at dilution of 1:200.



Immunohistochemistry of paraffin-embedded mouse brain tissue using Recombinant Neurofilament heavy polypeptide Monoclonal Antibody at dilution of 1:200.

### Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

### Background

### For Research Use Only

Toll-free: 1-888-852-8623

Web: [www.elabscience.com](http://www.elabscience.com)

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Rev. V1.2

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 heavy neurofilament protein. This protein is commonly used as a biomarker of neuronal damage and susceptibility to amyotrophic lateral sclerosis (ALS) has been associated with mutations in this gene.

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