

Recombinant Neurofilament (NF-L) Monoclonal Antibody

catalog number: AN301288L

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

Description

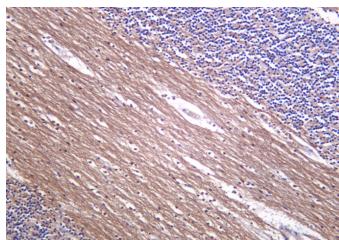
| | |
|--------------|---|
| Reactivity | Human;Mouse;Rat |
| Immunogen | Recombinant Human Neurofilament (NF-L) protein |
| Host | Rabbit |
| Isotype | IgG,κ |
| Clone | B1051 |
| Purification | Protein A |
| Buffer | PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant. |

Applications

Recommended Dilution

| | |
|-------|----------------|
| IHC | 1:2000-1:10000 |
| WB | 1:2000-1:10000 |
| IF | 1:200-1:1000 |
| ELISA | 1:5000-1:20000 |
| IP | 1:50-1:200 |

Data



Immunohistochemistry of paraffin-embedded human brain using Recombinant Neurofilament (NF-L) 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

Neurofilaments are type IV intermediate filament heteropolymers composed of light, medium, and heavy chains. Neurofilaments comprise the axoskeleton and they functionally maintain the neuronal caliber. They may also play a role in intracellular transport to axons and dendrites. This gene encodes the light chain neurofilament protein. Mutations in this gene cause Charcot-Marie-Tooth disease types 1F (CMT1F) and 2E (CMT2E), disorders of the peripheral nervous system that are characterized by distinct neuropathies. A pseudogene has been identified on chromosome Y.

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