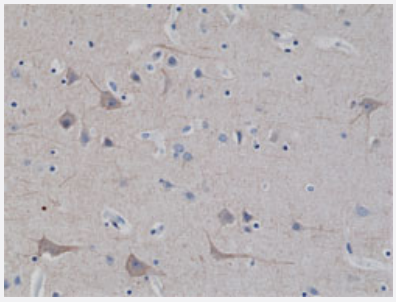
RecomAb™

# NEFL monoclonal antibody, clone RM280

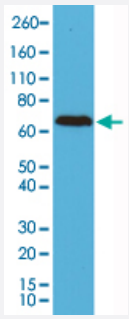
Catalog # MAB14927 Size 100 uL

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human brain with NEFL monoclonal antibody, clone RM280 (Cat # MAB14927).




### Western Blot (Tissue lysate)

Western Blot analysis of human brain tissue lysate with NEFL monoclonal antibody, clone RM280 (Cat # MAB14927).

## Specification

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| **Product Description** | Rabbit recombinant monoclonal antibody raised against of human NEFL. |
| **Antibody Species** | Rabbit |
| **Immunogen** | Original antibody is raised against a synthetic peptide corresponding to C-terminus of human NEFL. |
| **Sequence** | N/A |
| **Reactivity** | Human |
| **Form** | Liquid |

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|---|---|
| **Purification** | Protein A purification |
| **Isotype** | IgG |
| **Recommend Usage** | Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:1000-1:2500)<br>Western Blotting (1:1000-1:2500)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS (50% glycerol, 1% BSA, 0.09% sodium azide) |
| **Storage Instruction** | Store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Western Blot (Tissue lysate)

  Western Blot analysis of human brain tissue lysate with NEFL monoclonal antibody, clone RM280 (Cat # MAB14927).

## Gene Info — NEFL

| | |
|---|---|
| **Entrez GeneID** | 4747 |
| **Protein Accession#** | P07196 |
| **Gene Name** | NEFL |
| **Gene Alias** | CMT1F, CMT2E, FLJ53642, NF-L, NF68, NFL |
| **Gene Description** | neurofilament, light polypeptide |
| **Omim ID** | 162280 607684 607734 |
| **Gene Ontology** | Hyperlink |

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| | |
|---|---|
| **Gene Summary** | Neurofilaments are type IV intermediate filament heteropolymers composed of light, medium, and heavy chains. Neurofilaments comprise the axoskeleton and they functionally maintain the neuron al caliber. They may also play a role in intracellular transport to axons and dendrites. This gene en codes the light chain neurofilament protein. Mutations in this gene cause Charcot-Marie-Tooth dis ease types 1F (CMT1F) and 2E (CMT2E), disorders of the peripheral nervous system that are ch aracterized by distinct neuropathies. A pseudogene has been identified on chromosome Y. [provi ded by RefSeq |
| **Other Designations** | light molecular weight neurofilament protein\|neurofilament protein, light chain\|neurofilament subuni t NF-L\|neurofilament triplet L protein\|neurofilament, light polypeptide 68kDa\|neurofilament-light |

## Pathway

- Amyotrophic lateral sclerosis (ALS)

## Disease

- Genetic Predisposition to Disease
- Kidney Failure
- Multiple Sclerosis
- Parkinson disease

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