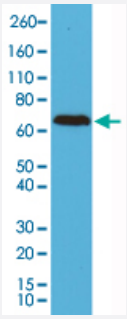
RecomAb™

NEFL monoclonal antibody, clone RM280

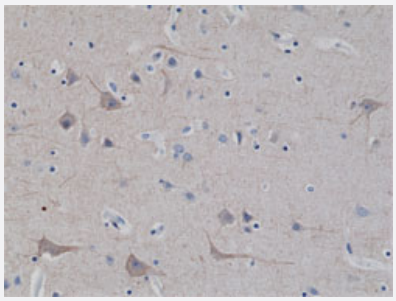
Catalog # MAB14927 Size 100 uL

Applications



Western Blot (Tissue lysate)

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



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).

Specification

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

Purification	Protein A purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:1000-1:2500) Western Blotting (1:1000-1:2500) 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. 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

- Western Blot (Tissue lysate)

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

- 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).

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

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