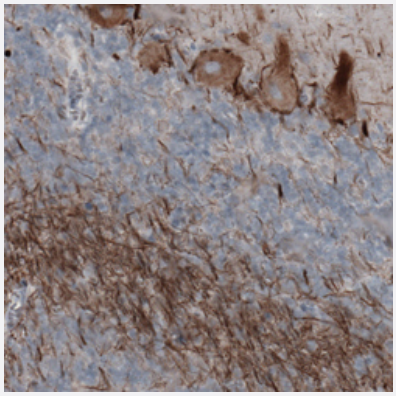
NEFH monoclonal antibody, clone CL2671

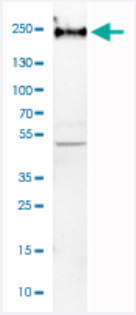
Catalog # MAB15768 Size 100 uL

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human cerebellum with NEFH monoclonal antibody, clone CL2671 (Cat # MAB15768) shows moderate immunoreactivity in Purkinje cells and neural fibers.



Western Blot (Tissue lysate)

Western Blot analysis of human cerebral cortex tissue lysate with NEFH monoclonal antibody, clone CL2671 (Cat # MAB15768).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human NEFH.
Immunogen	Recombinant protein corresponding to human NEFH.
Epitope	This antibody binds to an epitope located within the peptide sequence ECRIGFGPIPFSLPE as determined by overlapping synthetic peptides.
Sequence	ECRIGFGPIPFSLPEGLPKIPSVSTHIKVKSEEKIKVVEKSEKETVIVEEQTEETQVTEEVTEE
Host	Mouse

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Reactivity	Human
Form	Liquid
Purification	Protein A purification
Isotype	IgG1
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:500-1:1000) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage 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

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

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human cerebellum with NEFH monoclonal antibody, clone CL2671 (Cat # MAB15768) shows moderate immunoreactivity in Purkinje cells and neural fibers.

- Western Blot (Tissue lysate)

  Western Blot analysis of human cerebral cortex tissue lysate with NEFH monoclonal antibody, clone CL2671 (Cat # MAB15768).

Gene Info — NEFH

Entrez GeneID	4744
Protein Accession#	P12036
Gene Name	NEFH
Gene Alias	NFH
Gene Description	neurofilament, heavy polypeptide
Omim ID	105400 162230
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 functionally maintain neuronal caliber . They may also play a role in intracellular transport to axons and dendrites. This gene encodes th e 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 thi s gene. [provided by RefSeq
Other Designations	neurofilament triplet H protein|neurofilament, heavy polypeptide 200kDa

Pathway

- Amyotrophic lateral sclerosis (ALS)

Disease

- Amyotrophic lateral sclerosis
- Dominance
- Genetic Predisposition to Disease
- Motor Neuron Disease
- Multiple Sclerosis
- Schizophrenia

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