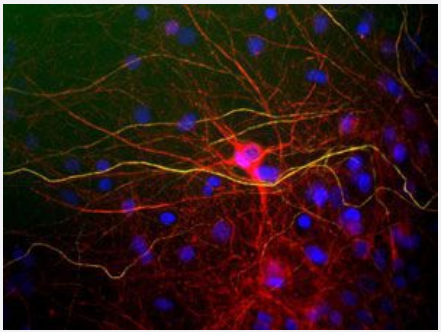
NEFL polyclonal antibody

Catalog # PAB29082 Size

Applications



Immunocytological staining of NEFL polyclonal antibody (Cat # PAB29082) (at a dilution of 1:2000).
Positively stained axons in the cerebellar white matter of an adult mouse.

Specification

Product Description	Chicken polyclonal antibody raised against recombinant Human NEFL.
Immunogen	Three different KLH-conjugated synthetic peptides corresponding to different regions of NEFL gene product, shared between the human (P07196, NCBI) and mouse (P08551, NCBI) protein sequences .
Host	Chicken
Reactivity	Human, Mouse
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgY
Quality Control Testing	Immunocytochemistry Immunocytological staining of NEFL polyclonal antibody (Cat # PAB29082) (at a dilution of 1:2000). Positively stained axons in the cerebellar white matter of an adult mouse.
Recommend Usage	Immunocytochemistry(1:1000-1:2000) Immunohistochemistry(1:1000-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (0.2% BSA, 0.02% sodium azide)

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Storage Instruction	Store at 4°C and avoid from light. 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
- Immunocytochemistry

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

Gene Info — Nefl

Entrez GeneID	18039
Protein Accession#	P07196

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Gene Name	Nefl
Gene Alias	AI847934, CMT2E, NF-L, NF68, Nfl
Gene Description	neurofilament, light polypeptide
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	OTTMUSP00000017610|neurofilament protein L

Pathway

- Amyotrophic lateral sclerosis (ALS)

Disease

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

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