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68kDa Neurofilament (12J19) Rabbit Monoclonal Antibody

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Catalog # AP93821

Product Information

Application	WB, IHC-P, ICC, IP
Primary Accession	P08551, P08551, P19527
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Calculated MW	61508

Additional Information

Gene ID	18039
Dilution	WB~~1:1000 IHC-P~~N/A ICC~~N/A IP~~N/A
Storage Conditions	-20℃

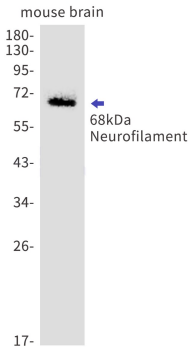
Protein Information

Name	Nefl
Synonyms	Nf68, Nfl
Function	Neurofilaments usually contain three intermediate filament proteins: NEFL, NEFM, and NEFH which are involved in the maintenance of neuronal caliber. May additionally cooperate with the neuronal intermediate filament proteins PRPH and INA to form neuronal filamentous networks (PubMed:22723690).
Cellular Location	Cell projection, axon. Cytoplasm, cytoskeleton
Tissue Location	Expressed in the sciatic nerve (at protein level).

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. [provided by RefSeq, Oct 2008]

Images



Western blot detection of 68kDa Neurofilament in mouse brain cell lysates using 68kDa Neurofilament antibody(1:1000 diluted).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.