

# 68kDa Neurofilament (12J19) Rabbit Monoclonal Antibody

68kDa Neurofilament (12J19) Rabbit Monoclonal Antibody  
Catalog # AP93821

## Product Information

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<b>Application</b>	WB, IHC-P, ICC, IP
<b>Primary Accession</b>	<a href="#">P08551</a> , <a href="#">P08551</a> , <a href="#">P19527</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Monoclonal
<b>Calculated MW</b>	61508

## Additional Information

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<b>Gene ID</b>	18039
<b>Dilution</b>	WB~~1:1000 IHC-P~~N/A ICC~~N/A IP~~N/A
<b>Storage Conditions</b>	-20°C

## Protein Information

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<b>Name</b>	Nefl
<b>Synonyms</b>	Nf68, Nfl
<b>Function</b>	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: <a href="#">22723690</a> ).
<b>Cellular Location</b>	Cell projection, axon. Cytoplasm, cytoskeleton
<b>Tissue Location</b>	Expressed in the sciatic nerve (at protein level).

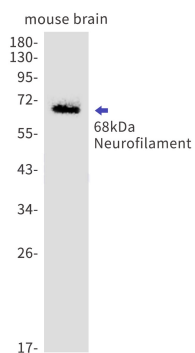
## Background

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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

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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'.