

Datasheet for ABIN2854309
anti-NEFL antibody



[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	NEFL
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NEFL antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), ELISA, Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human NF-L. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Rabbit Polyclonal antibody to 68 kDa Neurofilament Light (neurofilament, light polypeptide) 68 kDa Neurofilament Light antibody
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	NEFL
---------	------

Target Details

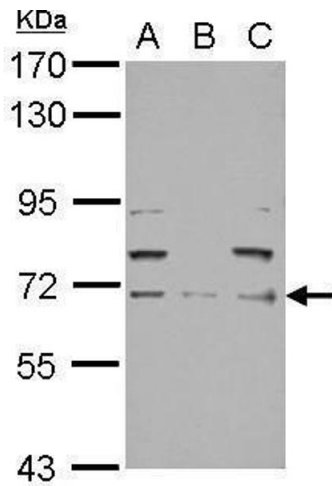
Alternative Name:	neurofilament light (NEFL Products)
Background:	<p>Neurofilaments are type IV intermediate filament heteropolymers composed of light, medium, and heavy chains. Neurofilaments comprise the axoskeleton and they functionally maintain the neuronal caliber. They may also play a role in intracellular transport to axons and dendrites.</p> <p>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.</p>
Molecular Weight:	62 kDa
Gene ID:	4747
UniProt:	P07196

Application Details

Application Notes:	WB: 1:500-1:20000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. IHC-Fr: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: PC-3 , U87-MG , SK-N-SH , mouse cerebellum , human brain
Restrictions:	For Research Use only

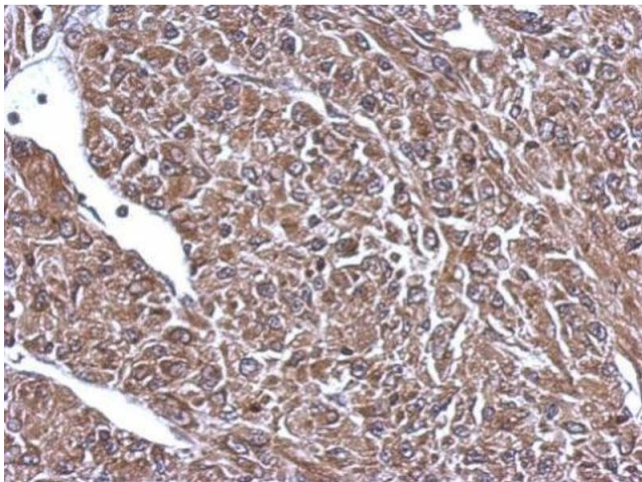
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	1XPBS (pH 7), 1 % BSA, 20 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.



Western Blotting

Image 1. WB Image Sample (30 ug of whole cell lysate) A: PC-3 B: U87-MG C: SK-N-SH 7.5% SDS PAGE antibody diluted at 1:10000



Immunohistochemistry

Image 2. IHC-P Image Immunohistochemical analysis of paraffin-embedded U87 xenograft, using 68kDa Neurofilament Light, antibody at 1:500 dilution.