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anti-NEFL antibody



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Publications



Go to Product page

Overview

Quantity:	0.1 mg
Target:	NEFL
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant fragment of human NEFL expressed in E. coli.
Clone:	1H3
Isotype:	lgG1
Purification:	purified

Target Details

Target:	NEFL
Alternative Name:	NEFL (NEFL Products)
Background:	Description: 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

Target Details

	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. Aliases: NFL, NF-L, NF68, CMT1F, CMT2E
Molecular Weight:	62 kDa
Gene ID:	4747
HGNC:	4747

Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage

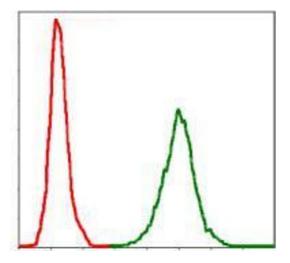
Publications

Product cited in:

Jan, Adolfsson, Allaman, Buccarello, Magistretti, Pfeifer, Muhs, Lashuel: "Abeta42 neurotoxicity is mediated by ongoing nucleated polymerization process rather than by discrete Abeta42 species." in: **The Journal of biological chemistry**, Vol. 286, Issue 10, pp. 8585-96, (2011) (PubMed).

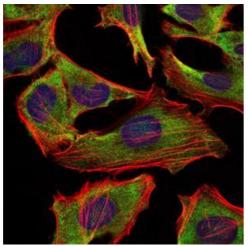
Deshmukh, Salehzadeh, Metayer-Coustard, Fahlman, Nair, Al-Khalili: "Post-transcriptional gene silencing of ribosomal protein S6 kinase 1 restores insulin action in leucine-treated skeletal muscle." in: **Cellular and molecular life sciences : CMLS**, Vol. 66, Issue 8, pp. 1457-66, (2009) (PubMed).

Images



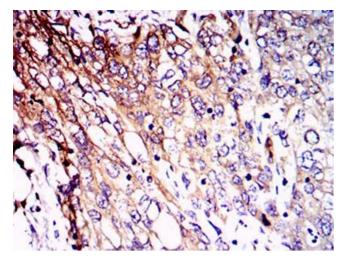
Flow Cytometry

Image 1. Flow cytometric analysis of Jurkat cells using NEFL mouse mAb (green) and negative control (red).



Immunofluorescence

Image 2. Immunofluorescence analysis of Hela cells using NEFL mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Immunohistochemistry

Image 3. Immunohistochemical analysis of paraffinembedded lung cancer tissues using NEFL mouse mAb with DAB staining.

Please check the product details page for more images. Overall 7 images are available for ABIN969548.