

ARG11130 anti-Neurofilament NF-L (C-ter) antibody [6H112]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [6H112] recognizes Neurofilament NF-L (C-ter)
Tested Reactivity	Hu, Ms, Rat, Cow, Pig
Tested Application	ICC/IF, IHC-Fr, WB
Host	Mouse
Clonality	Monoclonal
Clone	6H112
Isotype	IgG1
Target Name	Neurofilament NF-L (C-ter)
Species	Human
Immunogen	KLH-conjugated synthetic peptide around the C-terminal region of Human Neurofilament NF-L. (C-GEEEDTKESKEEEEEKKEESAGEEQVAKKGD)
Conjugation	Un-conjugated
Alternate Names	Neurofilament triplet L protein; 68 kDa neurofilament protein; CMT1F; NF68; NFL; CMT2E; Neurofilament light polypeptide; NF-L; PPP1R110

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:1000
	IHC-Fr	1:1000
	WB	1:5000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 62 kDa	

Properties

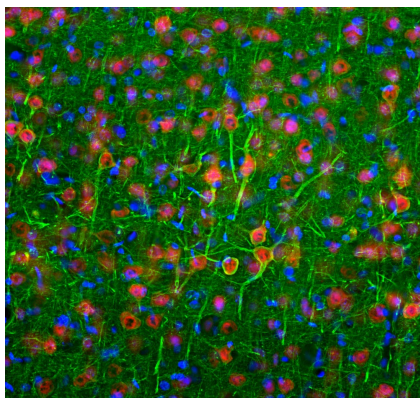
Form	Liquid
Purification	Purified
Buffer	PBS, 5 mM Sodium azide and 50% Glycerol.
Preservative	5 mM Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

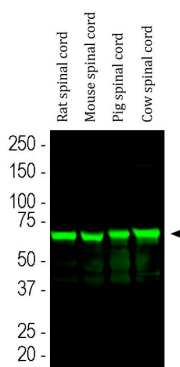
Gene Symbol	NEFL
Gene Full Name	neurofilament, light polypeptide
Background	Neurofilaments are type IV intermediate filament heteropolymers composed of light, medium, and heavy chains. Neurofilaments comprise the axoskeleton and they functionally maintain the neuronal caliber. They may also play a role 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]
Function	Neurofilaments usually contain three intermediate filament proteins: L, M, and H which are involved in the maintenance of neuronal caliber. [UniProt]
Calculated Mw	62 kDa
PTM	O-glycosylated. Phosphorylated in the head and rod regions by the PKC kinase PKN1, leading to the inhibition of polymerization. Ubiquitinated in the presence of TRIM2 and UBE2D1. [UniProt]

Images



ARG11130 anti-Neurofilament NF-L (C-ter) antibody [6H112] IHC-Fr image

Immunohistochemistry: Frozen section of Rat frontal cortex tissue stained with ARG11130 anti-Neurofilament NF-L (C-ter) antibody [6H112] (green) at 1:2000 dilution, and co-stained with [ARG10712](#) anti-FOX3 / NeuN antibody (red) at 1:2000 dilution. (Sample preparation: Following transcardial perfusion of rat with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45 μM, and free-floating sections were stained with the above antibodies.).



ARG11130 anti-Neurofilament NF-L (C-ter) antibody [6H112] WB image

Western blot: Rat spinal cord, Mouse spinal cord, Pig spinal cord and Cow spinal cord lysates stained with ARG11130 anti-Neurofilament NF-L (C-ter) antibody [6H112] at 1:5000 dilution.