

For Research Use Only

KIF5A Monoclonal antibody

Catalog Number: 67009-1-Ig



Basic Information

Catalog Number: 67009-1-Ig	GenBank Accession Number: BC146670	Purification Method: Protein G purification
Size: 150ul , Concentration: 1900 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3798	CloneNo.: 1A7E3
Source: Mouse	UNIPROT ID: Q12840	Recommended Dilutions: WB 1:500-1:3000 IF/ICC 1:400-1:1600
Isotype: IgG1	Full Name: kinesin family member 5A	
Immunogen Catalog Number: AG15682	Calculated MW: 1032 aa, 117 kDa	
	Observed MW: 130 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: Human, mouse, rat, pig	WB : rat brain tissue, pig brain tissue, rat cerebellum tissue, mouse brain tissue
	IF/ICC : PC-12 cells,

Background Information

Kinesin superfamily proteins (KIFs) are microtubule-based molecular motors essential for the intracellular transport of various cargos, including organelles, proteins, and RNAs. KIF5A is expressed exclusively in neurons and transports neuronal cargoes into axons and dendrites. KIF5A mutations have been associated with Charcot-Marie-Tooth Type 2, an axonal peripheral neuropathy characterized by progressive loss of peripheral sensation and muscle wasting.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

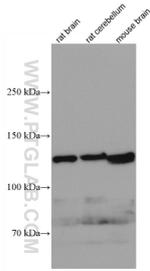
For technical support and original validation data for this product please contact:

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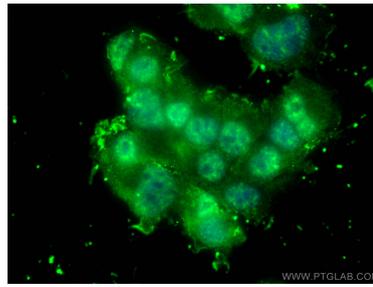
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67009-1-Ig (KIF5A antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed PC-12 cells using KIF5A antibody (67009-1-Ig, Clone: 1A7E3) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).