

For Research Use Only

KIF5A Monoclonal antibody, PBS Only



Catalog Number: 67009-1-PBS

Basic Information

Catalog Number: 67009-1-PBS	GenBank Accession Number: BC146670	Purification Method: Protein G purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3798	CloneNo.: 1A7E3
Source: Mouse	UNIPROT ID: Q12840	
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, Indirect ELISA

Species Specificity:
Human, mouse, rat, pig

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 -80°C.

Storage Buffer:
PBS Only

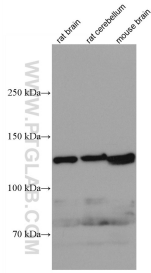
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

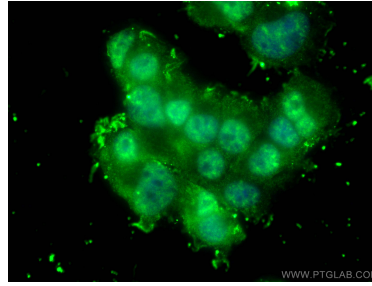
E: proteintech@ptglab.com
W: ptglab.com

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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. This data was developed using the same antibody clone with 67009-1-PBS in a different storage buffer formulation.



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 AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67009-1-PBS in a different storage buffer formulation.