

For Research Use Only

MYO5B Monoclonal antibody, PBS Only

Catalog Number:60402-8-PBS



Basic Information

Catalog Number: 60402-8-PBS	GenBank Accession Number: NM_001080467	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 4645	CloneNo.: 1D12A3
Source: Mouse	UNIPROT ID: Q9ULV0	
Isotype: IgG2a	Full Name: myosin VB	
Immunogen Catalog Number: AG32670	Calculated MW: 214KD	
	Observed MW: 200-220 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

MYO5B is a member of the class V of unconventional, dimeric nonfilamentous myosins, which may be involved in vesicular trafficking. Members of the Rab family of small GTPases, consisting of Rab11a, Rab11b, and Rab25, have recently emerged as potential mediators of vesicle transport by MYO5B. MYO5B is required for polarization of hepatocytes and mutations of MYO5B could disrupt epithelial cell polarity. Loss-of-Function of MYO5B caused by mutation is the main cause of microvillus inclusion disease (MVID). Recently it was reported that the expression of MYO5B was downregulated in gastric cancer and inactivation of MYO5B may contribute to tumorigenesis. (22134786)

Storage

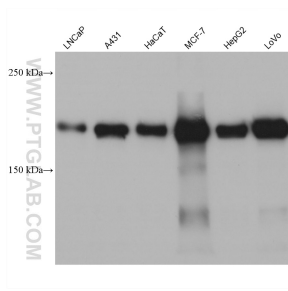
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

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 60402-8-Ig (MYO5B antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60402-8-PBS in a different storage buffer formulation.