

For Research Use Only

MYO18A Polyclonal antibody

Catalog Number: 14611-1-AP

Featured Product

11 Publications



Basic Information

Catalog Number: 14611-1-AP	GenBank Accession Number: BC039612	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 173 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 399687	Recommended Dilutions: WB 1:1000-1:6000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
Source: Rabbit	Full Name: myosin XVIIIIA	
Isotype: IgG	Calculated MW: 233 kDa	
Immunogen Catalog Number: AG6185	Observed MW: 230 kDa, 190 kDa	

Applications

Tested Applications: IP, WB, ELISA	Positive Controls:
Cited Applications: FC, IF, IHC, WB	WB: Jurkat cells, HeLa cells, K-562 cells, Neuro-2a cells, NIH/3T3 cells
Species Specificity: human, mouse, rat	IP: HeLa cells,
Cited Species: human, mouse, rat	

Background Information

MYO18A is an unconventional myosin that may play a role in the stabilization and organization of the actin cytoskeleton. Recently MYO18A has been identified as the receptor of SP and is responsible for clearance of SP-A-opsinized bacteria in in vivo infection. Two different isoforms of mouse Myo18A have been identified: Myo18A-alpha and Myo18A-beta as 230- and 190-kDa proteins, respectively. Myo18a-alpha colocalizes with the ER-Golgi complex and with membrane ruffles and filopodia, while Myo18a-beta localizes diffusely to the cytoplasm.

Notable Publications

Author	Pubmed ID	Journal	Application
Xiaochao Tan	32931483	J Clin Invest	WB
Pierre M Jean Beltran	27641956	Cell Syst	WB, IF
Jialiang Liu	34799729	Cell Death Differ	WB, IHC

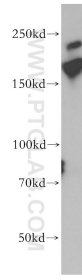
Storage

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

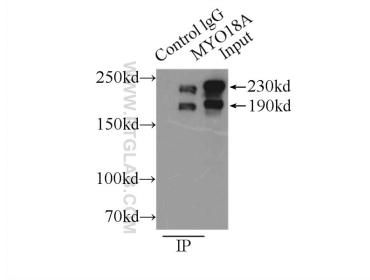
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 14611-1-AP (MYO18A antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



IP Result of anti-MYO18A (IP:14611-1-AP, 3ug; Detection:14611-1-AP 1:300) with HeLa cells lysate 3000ug.