

For Research Use Only

# MYO18A Monoclonal antibody

Catalog Number: 68868-1-Ig



## Basic Information

<b>Catalog Number:</b> 68868-1-Ig	<b>GenBank Accession Number:</b> BC039612	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 399687	<b>CloneNo.:</b> 1A2B12
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q92614	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG1	<b>Full Name:</b> myosin XVIII A	
<b>Immunogen Catalog Number:</b> AG6185	<b>Calculated MW:</b> 233 kDa	
	<b>Observed MW:</b> 230 kDa, 190 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HaCaT cells, A431 cells, SW 1990 cells, HT-29 cells, MDA-MB-468 cells, HeLa cells, K-562 cells
<b>Species Specificity:</b> human	

## 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.

## 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:

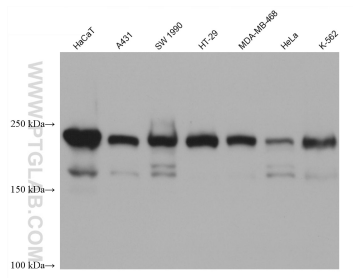
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68868-1-Ig (MYO18A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.