

For Research Use Only

# MYO1E Monoclonal antibody

Catalog Number: 68152-1-Ig



## Basic Information

<b>Catalog Number:</b> 68152-1-Ig	<b>GenBank Accession Number:</b> BC098392	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 4643	<b>CloneNo.:</b> 2A12F5
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q12965	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG1	<b>Full Name:</b> myosin IE	
<b>Immunogen Catalog Number:</b> AG12244	<b>Calculated MW:</b> 1108 aa, 127 kDa	
	<b>Observed MW:</b> 120-150 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : A549 cells, LNCaP cells, HeLa cells, HepG2 cells, HEK-293 cells, Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells
<b>Species Specificity:</b> Human, Mouse, Rat	

## Background Information

MYO1E, also named as Myosin-Ie and MYO1C (distinct from the MYO1C gene located on chromosome 17), encodes a member of the nonmuscle class I myosins which are a subgroup of the unconventional myosin protein family. The unconventional myosin proteins function as actin-based molecular motors. This protein localizes to the cytoplasm and may be involved in intracellular movement and membrane trafficking. Mutations in this gene are the cause of focal segmental glomerulosclerosis-6.

## 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:

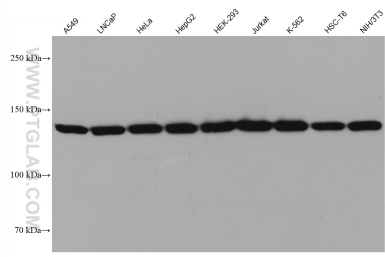
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68152-1-Ig (MYO1E antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.