

For Research Use Only

# MYO1F Polyclonal antibody

Catalog Number: 28841-1-AP



## Basic Information

<b>Catalog Number:</b> 28841-1-AP	<b>GenBank Accession Number:</b> BC028071	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 800 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4542	<b>Recommended Dilutions:</b> WB 1:1000-1:8000 IF/ICC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O00160	
<b>Isotype:</b> IgG	<b>Full Name:</b> myosin IF	
<b>Immunogen Catalog Number:</b> AG29899	<b>Calculated MW:</b> 1098 aa, 125 kDa	
	<b>Observed MW:</b> 115-125 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b> WB : Jurkat cells, rat spleen tissue
<b>Species Specificity:</b> human, mouse, rat	<b>IF/ICC :</b> THP-1 cells,

## Background Information

Myosin family members are proteins that hydrolyze ATP to generate force or directional movement along actin filaments and are implicated in the rearrangement of the cytoskeleton in several cell types. Myosin 1F (MYO1F), a long tailed class I myosin, is highly expressed in natural killer (NK) cells, macrophages, dendritic cells, and neutrophils. MYO1F plays a critical role in the mediating of signaling molecules "trafficking from membrane to cytoplasm," and this process is essential for the antifungal signaling pathway activation.

## 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

\*\*\* 20ul sizes contain 0.1% BSA

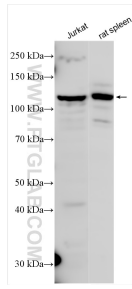
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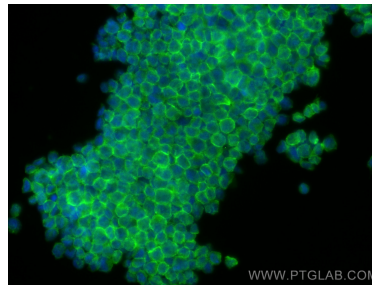
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28841-1-AP (MYO1F antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed THP-1 cells using MYO1F antibody (28841-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).