

For Research Use Only

# MPRIP Recombinant antibody

Catalog Number: 86033-1-RR



## Basic Information

<b>Catalog Number:</b> 86033-1-RR	<b>GenBank Accession Number:</b> NM_015134	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 23164	<b>CloneNo.:</b> 250643B2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q6WCQ1	<b>Recommended Dilutions:</b> WB: 1:1000-1:6000 IF-P: 1:200-1:800
<b>Isotype:</b> IgG	<b>Full Name:</b> myosin phosphatase Rho interacting protein	
	<b>Calculated MW:</b> 117 kDa	
	<b>Observed MW:</b> 140 kDa	

## Applications

<b>Tested Applications:</b> WB, IF-P, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> HeLa cells, A549 cells, SKOV-3 cells <b>IF-P :</b> mouse brain tissue,

## Background Information

MPRIP, also named as KIAA0864, MRIP, RHOIP3 and p116Rip, is required for the regulation of the actin cytoskeleton by RhoA and ROCK1. MPRIP targets myosin phosphatase to the actin cytoskeleton. Depletion leads to an increased number of stress fibers in smooth muscle cells through stabilization of actin fibers by phosphorylated myosin. Overexpression of MPRIP as well as its F-actin-binding region leads to disassembly of stress fibers in neuronal cells. The antibody recognizes the C-term of isoform2 and isoform3 of MPRIP.

## Storage

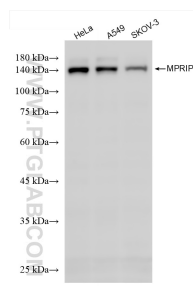
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

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

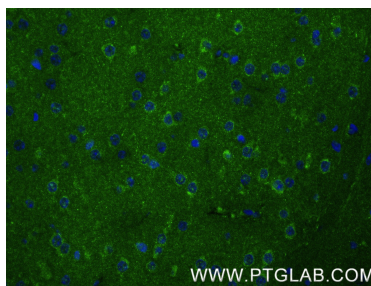
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86033-1-RR (MPRIIP antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using MPRIIP antibody (86033-1-RR, Clone: 250643B2 ) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).