

For Research Use Only

# MPRIP Polyclonal antibody

Catalog Number: 20040-1-AP **3 Publications**



## Basic Information

<b>Catalog Number:</b> 20040-1-AP	<b>GenBank Accession Number:</b> NM_015134	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 23164	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> myosin phosphatase Rho interacting protein	<b>IHC 1:500-1:500</b> <b>IF 1:10-1:100</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 117 kDa	
	<b>Observed MW:</b> 116-140 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, IP, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IF, WB	<b>WB :</b> SH-SY5Y cells, A2780 cells, SKOV-3 cells
<b>Species Specificity:</b> human, mouse, rat	<b>IP :</b> SKOV-3 cells,
<b>Cited Species:</b> human	<b>IHC :</b> mouse ovary tissue, human ovary tissue
	<b>IF :</b> HeLa cells,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

MPRIP, also named as KIAA0864, MRIP, RHOIP3 and p116Rip, is required for the regulation of the actin cytoskeleton by RhoA and ROCK1. MRPIP 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 MRIP 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Hao Bo	30588252	J Cancer	WB
Shan Wang	32530539	Glia	WB,IF
Maya David	35961752	RNA	WB

## Storage

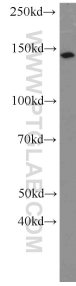
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

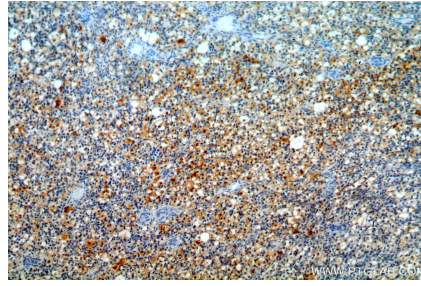
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

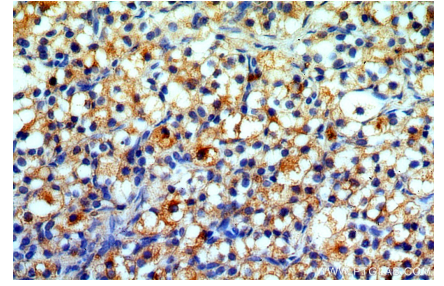
## Selected Validation Data



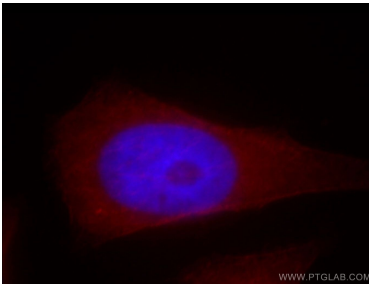
SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 20040-1-AP (MPRIP antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



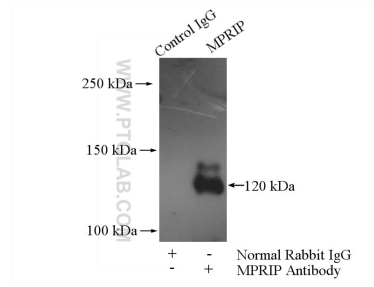
Immunohistochemical analysis of paraffin-embedded human ovary using 20040-1-AP (MPRIP antibody) at dilution of 1:100 (under 10x lens).



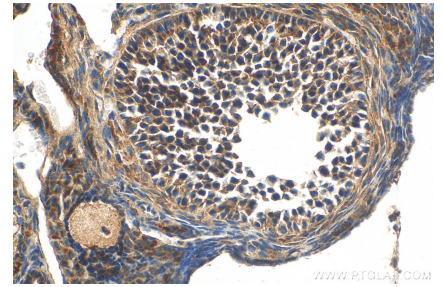
Immunohistochemical analysis of paraffin-embedded human ovary using 20040-1-AP (MPRIP antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of HeLa cells, using MPRIP antibody 20040-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



IP Result of anti-MPRIP (IP:20040-1-AP, 4ug; Detection:20040-1-AP 1:500) with SKOV-3 cells lysate 2000ug.



Immunohistochemical analysis of paraffin-embedded mouse ovary tissue slide using 20040-1-AP (MPRIP antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).