

For Research Use Only

MPRIP Polyclonal antibody

Catalog Number: 20040-1-AP

3 Publications



Basic Information

Catalog Number:

20040-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_015134

GeneID (NCBI):

23164

UNIPROT ID:

Q6WCQ1

Full Name:

myosin phosphatase Rho interacting protein

Calculated MW:

117 kDa

Observed MW:

116-140 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF-Fro 1:50-1:500

IF/ICC 1:10-1:100

Applications

Tested Applications:

WB, IHC, IF/ICC, IF-Fro, IP, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : SH-SY5Y cells, A2780 cells, SKOV-3 cells

IP : SKOV-3 cells,

IHC : mouse ovary tissue, human ovary tissue

IF-Fro : mouse brain tissue,

IF/ICC : 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. 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 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, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

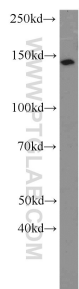
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

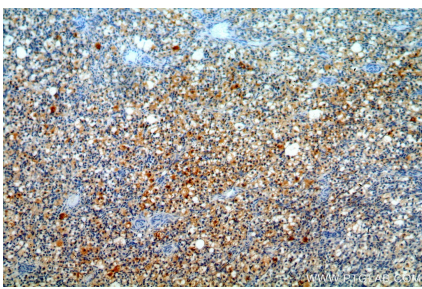
E: proteintech@ptglab.com
W: ptglab.com

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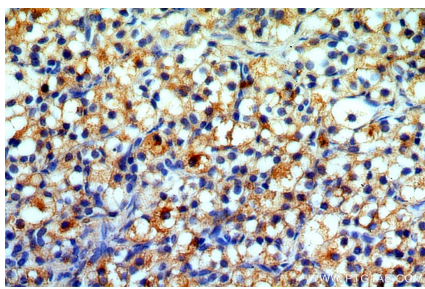
Selected Validation Data



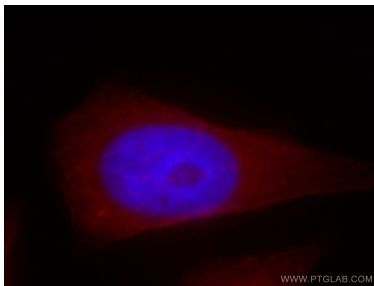
SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 20040-1-AP (MPRIIP antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



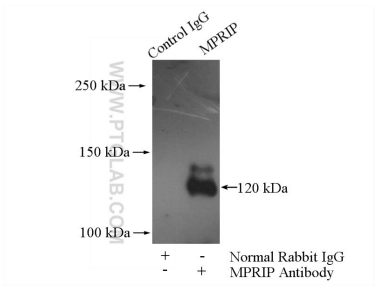
Immunohistochemical analysis of paraffin-embedded human ovary using 20040-1-AP (MPRIIP antibody) at dilution of 1:100 (under 10x lens).



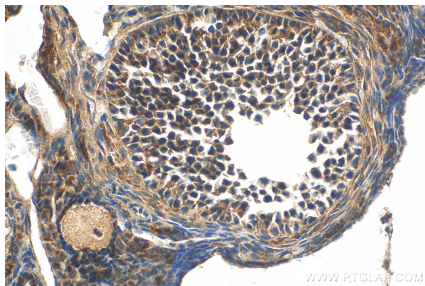
Immunohistochemical analysis of paraffin-embedded human ovary using 20040-1-AP (MPRIIP antibody) at dilution of 1:100 (under 40x lens).



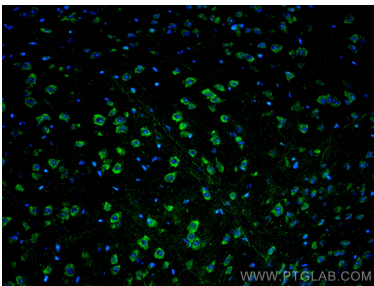
Immunofluorescent analysis of HeLa cells, using MPRIIP antibody 20040-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



IP result of anti-MPRIIP (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 (MPRIIP antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed frozen OCT-embedded mouse brain tissue using 20040-1-AP (MPRIIP antibody) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).