

For Research Use Only

MPRIP Polyclonal antibody, PBS Only

Catalog Number:20040-1-PBS



Basic Information

Catalog Number:

20040-1-PBS

Size:

100ug , Concentration: 1 mg/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

Applications

Tested Applications:

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

Species Specificity:

human, mouse, rat

Background Information

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

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

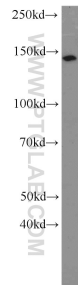
For technical support and original validation data for this product please contact:

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

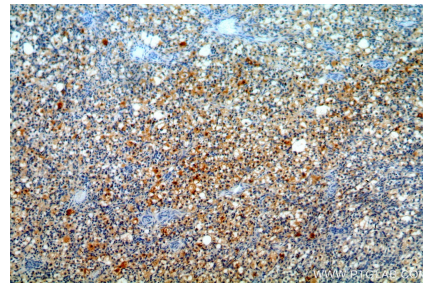
E: proteintech@ptglab.com
W: ptglab.com

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

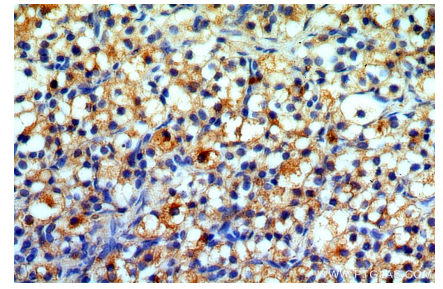
Selected Validation Data



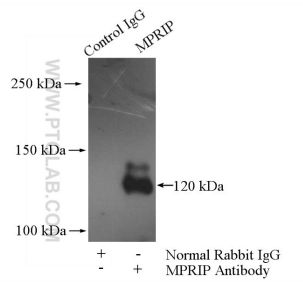
SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 20040-1-AP (MPRIP antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 20040-1-PBS in a different storage buffer formulation.



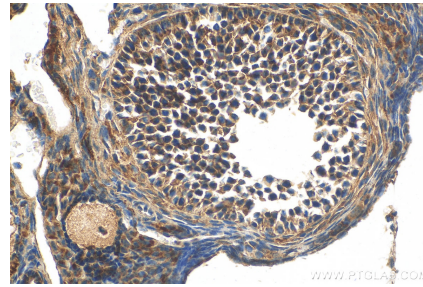
Immunohistochemical analysis of paraffin-embedded human ovary using 20040-1-AP (MPRIP antibody) at dilution of 1:100 (under 10x lens). This data was developed using the same antibody clone with 20040-1-PBS in a different storage buffer formulation.



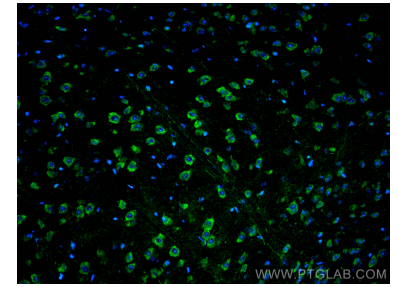
Immunohistochemical analysis of paraffin-embedded human ovary using 20040-1-AP (MPRIP antibody) at dilution of 1:100 (under 40x lens). This data was developed using the same antibody clone with 20040-1-PBS in a different storage buffer formulation.



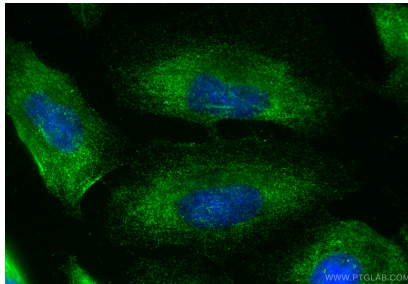
IP result of anti-MPRIP (IP:20040-1-AP, 4ug; Detection:20040-1-AP 1:500) with SKOV-3 cells lysate 2000ug. This data was developed using the same antibody clone with 20040-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 20040-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed frozen OCT-embedded mouse brain tissue using 20040-1-AP (MPRIP antibody) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 20040-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using MPRIP antibody (20040-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 20040-1-PBS in a different storage buffer formulation.