

For Research Use Only

MPRIP Recombinant antibody

Catalog Number: 86033-1-RR



Basic Information

Catalog Number:

86033-1-RR

Concentration:

1000 µg/ml

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:

140 kDa

Purification Method:

Protein A purification

CloneNo.:

250643B2

Recommended Dilutions:

WB: 1:1000-1:6000

IF-P: 1:200-1:800

Applications

Tested Applications:

WB, IF-P, ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells, A549 cells, SKOV-3 cells

IF-P : 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. 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 -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

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

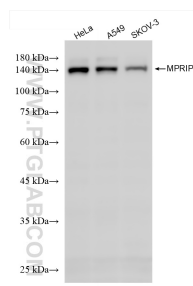
T: 4006900926

E: Proteintech-CN@ptglab.com

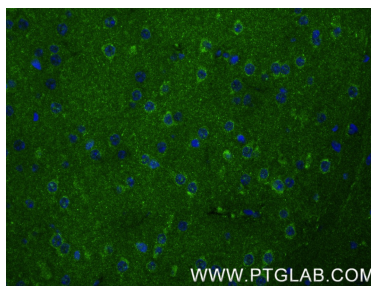
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Selected Validation Data



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).