MPRIP 蛋白抗体

产品货号： mlR17792

英文名称： MPRIP

中文名称： MPRIP 蛋白抗体

别　　名： 9530046C02; AA536749; AI647711; C76423; KIAA0864; M-RIP; MGC67316; mKIAA0864; Mprip; MPRIP_HUMAN; Myosin phosphatase Rho-interacting protein; p116 Rho-interacting protein; p116Rip; Rho-interacting protein 3; Rhoip3; RIP3; RP23-180B18.4.

研究领域： 细胞生物　免疫学　信号转导　细胞骨架

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Horse, Guinea Pig,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500

（石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分 子 量： 117kDa

细胞定位： 细胞浆

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human MPRIP:951-1025/1025

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

PubMed : PubMed

产品介绍 : M-RIP is a 1,025 amino acid cytoplasmic and cytoskeletal protein that is required for regulation of the actin cytoskeleton. M-RIP colocalizes with myosin binding subunit (MBS) to regulate the phosphorylation of myosin light chain, and colocalizes with F-actin through its N-terminus in the cytoskeleton. M-RIP also interacts with and RhoA at actin stress fibers via its adjacent coiled coil domains. M-RIP is highly expressed in ovary, with moderate levels found in brain, heart, liver, lung, skeletal muscle, testis and kidney. M-RIP depletion causes an increase of stress fibers in smooth muscle cells, whereas M-RIP over-expression causes disassembly of stress fibers in neuronal cells. Containing two PH domains, M-RIP has multiple phosphorylated serine and threonine residues and exists as three isoforms which are produced by alternative splicing events.

Function:

Targets myosin phosphatase to the actin cytoskeleton. Required for the regulation of the actin cytoskeleton by RhoA and ROCK1. 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.

Subunit:

Binds F-actin through its N-terminus. Interacts with MYZAP. Binds RHOA, PPP1R12A/MBS and PPP1R12C/MBS85 through adjacent coiled coil domains.

Subcellular Location:

Cytoplasm; cytoskeleton. Colocalizes with F-actin.

Similarity:

Contains 2 PH domains.

SWISS:

Q6WCQ1

Gene ID:

23164

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.