M-RIP polyclonal antibody

Catalog: BCP01116 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Myosin phosphatase-rho interacting protein (M-RIP), also known as p116RIP, RIP3, and MPRIP, localizes to actin-myosin filaments regulating cytoskeletal dynamics. M-RIP contains amino-terminal pleckstrin homology domains, carboxyl-terminal coiled-coil domains, and was originally identified to associate with the myosin phosphatase complex. M-RIP binds to MBS/MYRT, the myosin binding subunit of myosin phosphatase, as well as RhoA. Phosphorylation of MYRT by Rho-associated kinase (ROCK) inhibits myosin phosphatase activity, resulting in increased levels of phosphorylation on myosin light chain, and enhanced contractility. M-RIP may function as a scaffolding protein for the complex between the myosin phosphatase complex, Rho/ROCK, and actin. Silencing of M-RIP results in disassembly of the complex, increased phosphorylation of myosin light chain, and changes to cytoskeletal dynamics.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2.

Molecular Weight:

~ 130-160kDa

Swiss-Prot:

Q6WCQ1

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:5000~1:10000

IP:1:2000~1:8000

IHC:1:50~1:100

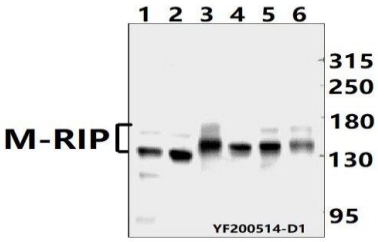
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

M-RIP polyclonal antibody detects endogenous levels of M-RIP protein.

DATA:



Western blot (WB) analysis of M-RIP polyclonal antibody at 1:5000 dilution

Lane1:PC12 whole cell lysate(40ug)

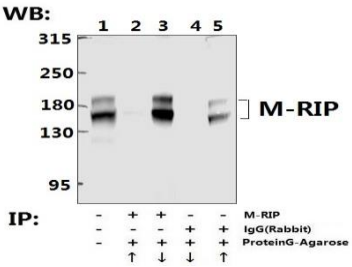
Lane2:CT-26 whole cell lysate(40ug)

Lane3:H1792 whole cell lysate(40ug)

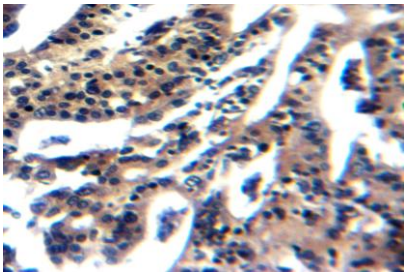
Lane4:Myla2059 whole cell lysate(40ug)

Lane5:PC3 whole cell lysate(40ug)

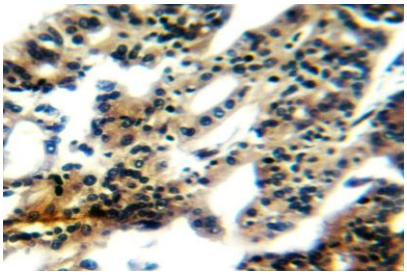
Lane6:SGC7901 whole cell lysate(40ug)



Immunoprecipitation - M-RIP Polyclonal Antibody



Immunohistochemistry of paraffin-embedded human colon carcinoma using M-RIP antibody at dilution of 1:50.



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Immunohistochemistry of paraffin-embedded human colon carcinoma using M-RIP antibody at dilution of 1:50.

Note:

For research use only, not for use in diagnostic procedure.

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