

p116 Rip polyclonal antibody

Catalog: BS62404

Host: Rabbit

Reactivity: Human,Rat,Mouse

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, pH7.4.

Molecular Weight:

~ 116 kDa

Swiss-Prot:

Q6WCQ1

Purification&Purity:

The protein was purified from E.coli and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1:500~1:1000 IHC:1:50~1:200

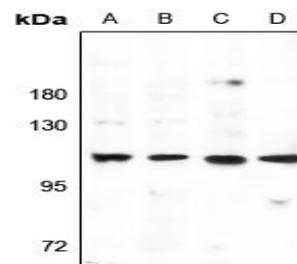
Storage&Stability:

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

Specificity:

p116 Rip polyclonal antibody detects endogenous levels of p116 Rip protein.

DATA:



Western blot (WB) analysis of p116 Rip polyclonal antibody at 1:500 dilution

LaneA:PC12 whole cell lysate

LaneB:MEF whole cell lysate

LaneC:A549 whole cell lysate

LaneD:A2780 whole cell lysate

Note:

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

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