bs-17792R **[Primary Antibody]**

MPRIP Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 23164 **SWISS:** Q6WCQ1

Target: MPRIP

Immunogen: KLH conjugated synthetic peptide derived from human MPRIP: 951-1025/1025.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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.

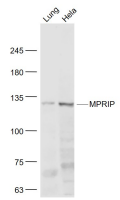
Applications: **WB** (1:500-2000)

Reactivity: Human, Mouse (predicted: Rat, GuineaPig, Horse)

Predicted MW.: 117 kDa

Subcellular Location: Cytoplasm

VALIDATION IMAGES



Sample: Lung (Mouse) Lysate at 40 ug Hela(Human) Cell Lysate at 30 ug Primary: Anti-MPRIP (bs-17792R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 117 kD Observed band size: 117 kD