

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### M-RIP (E785) Peptide

Cat No.: BS9177P

#### Background

M-RIP (myosin phosphatase Rho interacting protein), also known as MPRIP, p116Rip, RIP3 or RHOIP3, 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.

#### Swiss-Prot

Q6WCQ1

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS9177 M-RIP (E785) pAb.

#### Purification & Purity

Synthetic peptide M-RIP (E785). (Note: the amino acid sequence is proprietary). The purity is > 98%.

#### Product

1 mg/ml in DI water.

#### Storage & Stability

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

#### Research Use

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