bsm-51746M **[Primary Antibody]**

RHOA Mouse mAb

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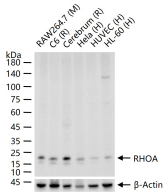
DATASHEET

Host: Mouse
Isotype: IgG1, k
Clonality: Monoclonal
CloneNo.: C5F6
GeneID: 387
SWISS: P61586
Target: RHOA
Purification: affinity purified by Protein G
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: This gene encodes a member of the Rho family of small GTPases, which cycle between inactive GDP-bound and active GTP-bound states and function as molecular switches in signal transduction cascades. Rho proteins promote reorganization of the actin cytoskeleton and regulate cell shape, attachment, and motility. The protein encoded by this gene is prenylated at its C-terminus, and localizes to the cytoplasm and plasma membrane. It is thought to be important in cell locomotion. Overexpression of this gene is associated with tumor cell proliferation and metastasis. Multiple alternatively spliced variants, encoding the same protein, have been identified.

Applications: **WB** (1:500-2000)
Reactivity: Human, Mouse, Rat
Predicted MW.: 21 kDa
Subcellular Location: Cell membrane ,Cytoplasm

VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with RHOA monoclonal antibody, unconjugated (bsm-51746M) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

SELECTED CITATIONS

- **[IF=6.064]** Mengni Bao. et al. N-Acetylcysteine, an ROS Inhibitor, Alleviates the Pathophysiology of Hyperthyroidism-Induced Cardiomyopathy via the ROS/Ca2+ Pathway. BIOMOLECULES. 2022 Sep;12(9):1195 WB ;Mouse,Rat. 10.3390/biom12091195
- **[IF=5.714]** Li-Juan You. et al. Schisandrin A ameliorates increased pulmonary capillary endothelial permeability accompanied with sepsis through inhibition of RhoA/ROCK1/MLC pathways. INT IMMUNOPHARMACOL. 2023 May;118:110124 WB ;Rat,Human. 37028276