

bs-1205R**[Primary Antibody]**

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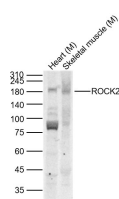
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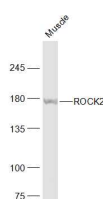
400-901-9800

ROCK2 Rabbit pAb**— DATASHEET —**

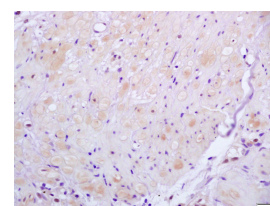
Host: Rabbit Clonality: Polyclonal GeneID: 9475 Target: ROCK2 Immunogen: KLH conjugated synthetic peptide derived from human ROCK2: 1001-1300/1388. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: The protein encoded by this gene is a serine/threonine kinase that regulates cytokinesis, smooth muscle contraction, the formation of actin stress fibers and focal adhesions, and the activation of the c-fos serum response element. This protein, which is an isozyme of ROCK1 is a target for the small GTPase Rho. [provided by RefSeq, Jul 2008].	Isotype: IgG SWISS: O75116	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Mouse (predicted: Rat, Rabbit) Predicted MW.: 161 kDa Subcellular Location: Cell membrane ,Cytoplasm
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— VALIDATION IMAGES —

Sample: Lane 1: Mouse Heart Lysates Lane 2: Mouse Skeletal muscle Lysates Primary: Anti-ROCK2 (bs-1205R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 161kDa Observed band size: 180kDa



Sample: Muscle (Mouse) Lysate at 40 ug Primary: Anti-ROCK2 (bs-1205R) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 161 kD Observed band size: 161 kD



Tissue/cell: human gastric carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-ROCK2 Polyclonal Antibody, Unconjugated(bs-1205R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

— SELECTED CITATIONS —

- **[IF=4.15]** Wang, Nan, et al. "Vascular endothelial growth factor stimulates endothelial differentiation from mesenchymal stem cells via Rho/myocardin-related transcription factor-A signaling pathway." The International Journal of Biochemistry & Cell Biology (2013). WB ;="Rat". 23624342
- **[IF=4.19]** He, Hongpeng, et al. "Transcription of HOTAIR is regulated by RhoC-MRTF-A-SRF signaling pathway in human breast cancer cells." Cellular Signalling (2017). WB ;="Human". 28069441
- **[IF=4.26]** Zhu et al. Design and evaluation of EphrinA1 mutants with cerebral protective effect. (2017) Sci.Re. 7:1881 WB ;Human,Mouse. 28507312
- **[IF=4.12]** Rothschild et al. ROCK-1 mediates diabetes-induced retinal pigment epithelial and endothelial cell blebbing:

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Contribution to diabetic retinopathy. (2017) Sci.Rep. 7:8834 IF ;Rat. 28821742

- **[IF=4.2]** Shangtao Wang. et al. The Combination of Gastrodin and Gallic Acid Synergistically Attenuates AngII-Induced Apoptosis and Inflammation via Regulation of Sphingolipid Metabolism. J INFLAMM RES. 2024 Oct 03 WB ;Human. 39372584