

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

**Bioss**  
ANTIBODIES

www.bioss.com.cn

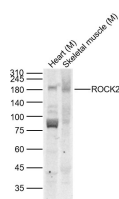
sales@bioss.com.cn

techsupport@bioss.com.cn

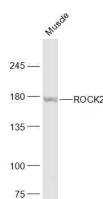
400-901-9800

**ROCK2 Rabbit pAb****— DATASHEET —**

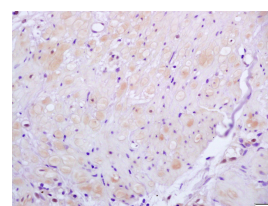
<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 9475 <b>Target:</b> ROCK2 <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human ROCK2: 1001-1300/1388. <b>Purification:</b> affinity purified by Protein A <b>Concentration:</b> 1mg/ml <b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. <b>Background:</b> 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].	<b>Isotype:</b> IgG <b>SWISS:</b> O75116	<b>Applications:</b> WB (1:500-2000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>Reactivity:</b> Human, Mouse (predicted: Rat, Rabbit) <b>Predicted MW.:</b> 161 kDa <b>Subcellular Location:</b> Cell membrane ,Cytoplasm
---	---	--

**— 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