

ROCK2 Polyclonal Antibody | anti-ROCK2 antibody

Anti-ROCK2 Antibody

CATALOG # AAA46248	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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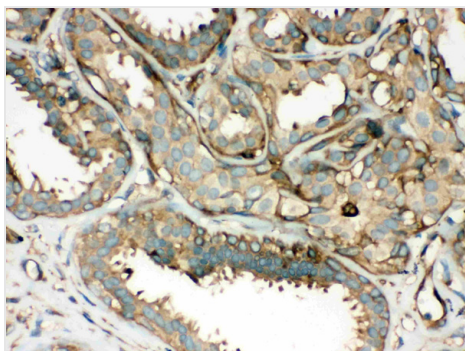
PRODUCT SYNONYMS

ROCK2; Polyclonal Antibody; Anti-ROCK2 Antibody; Rho-associated protein kinase 2; coiled-coil-containing protein kinase 2; KIAA0619; p164 ROCK 2; p164 ROCK-2; Rho associated coiled coil containing protein kinase 2; Rho associated protein kinase 2; Rho associated; coiled coil containing protein kinase II; Rho kinase 2; Rho-associated; ROCK 2; Rock II; Rock2; ROCK2_HUMAN; Rock2m; ROK alpha; ROKalpha; coiled-coil containing protein kinase 2; anti-ROCK2 antibody

PRODUCT SPECIFICATIONS

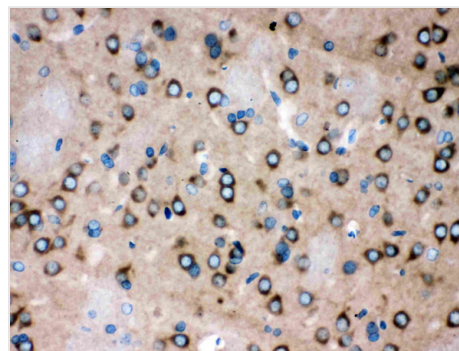
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	1388
Applicable Applications for anti-ROCK2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human ROCK2 recombinant protein (Position: E652-D923). Human ROCK2 shares 94.9% and 95.2% amino acid (aa) sequence identity with mouse and rat ROCK2, respectively.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



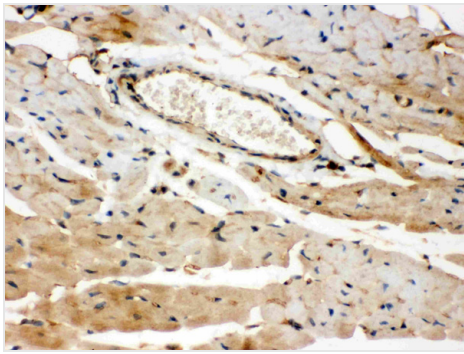
IHC (Immunohistochemistry)

Anti- ROCK2 Picoband antibody, AAA46248,IHC(P)IHC(P): Human Mammary Cancer Tissue

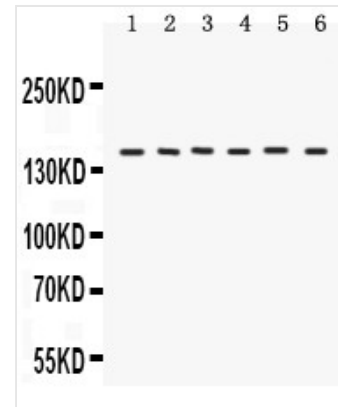


IHC (Immunohistochemistry)

Anti- ROCK2 Picoband antibody, AAA46248,IHC(P)IHC(P): Rat Brain Tissue



IHC (Immunohistochemistry)
Anti- ROCK2 Picoband antibody, AAA46248,IHC(P)IHC(P): Mouse Cardiac Muscle Tissue



WB (Western Blot)
Anti- ROCK2 Picoband antibody, AAA46248, Western blottingAll lanes: Anti ROCK2 (AAA46248) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: Rat Liver Tissue Lysate at 50ugLane 3: HELA Whole Cell Lysate at 40ugLane 4: CEM Whole Cell Lysate at 40ugLane 5: A549 Whole Cell Lysate at 40ugLane 6: MCF-7 Whole Cell Lysate at 40ugPredicted bind size: 161KDObserved bind size: 161KD

ADDITIONAL INFORMATION

Related Product Information for anti-ROCK2 antibody	Description: Rabbit IgG polyclonal antibody for Rho-associated protein kinase 2(ROCK2) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: Rho-associated kinase (ROCK), including the ROCK-I and ROCK-II isoforms, is a protein kinase involved in signaling from Rho to actin cytoskeleton. Serine/threonine kinase ROCK II/Rho kinase, which is an isozyme of ROCK I, is one of the targets for the small GTPase Rho. ROCK II regulates the formation of actin stress fibers and focal adhesions, cytokinesis, smooth muscle contraction, and the activation of c-fos serum response element. Sequencing analysis has shown that human ROCK II contains 1388 amino acid residues with a calculated molecular mass of approximately 161 kDa. Fluorescence in situ hybridization analysis showed that the human ROCK II gene is located on chromosome 2p24. Thumkeo et al. concluded that ROCK-II is essential in inhibiting blood coagulation and maintaining blood flow in the endothelium-free labyrinth layer and that loss of ROCK-II leads to thrombus formation, placental dysfunction, intrauterine growth retardation, and fetal death.
References	1. Takahashi, N.; Tuiki, H.; Saya, H.; Kaibuchi, K. : Localization of the gene coding for ROCK II/Rho kinase on human chromosome 2p24. Genomics 55: 235-237, 1999. 2. Thumkeo, D.; Keel, J.; Ishizaki, T.; Hirose, M.; Nonomura, K.; Oshima, H.; Oshima, M.; Taketo, M. M.; Narumiya, S. : Targeted disruption of the mouse Rho-associated kinase 2 gene results in intrauterine growth retardation and fetal death. Molec. Cell. Biol. 23: 5043-5055, 2003.

NCBI AND UNIPROT INFORMATION

NCBI GI #	41872583
NCBI GeneID	9475
NCBI Accession #	NP_004841.2
NCBI GenBank Nucleotide #	NM_004850.4
UniProt Accession #	O75116; Q53QZ0; Q53SJ7; Q9UQN5
Molecular Weight	160,900 Da
NCBI Official Full Name	rho-associated protein kinase 2 isoform 1
NCBI Official Synonym Full Names	Rho associated coiled-coil containing protein kinase 2
NCBI Official Symbol	ROCK2
NCBI Official Synonym Symbols	ROCK-II
NCBI Protein Information	rho-associated protein kinase 2

UniProt Protein Name	Rho-associated protein kinase 2
UniProt Gene Name	ROCK2
UniProt Synonym Gene Names	KIAA0619; ROCK-II
UniProt Entry Name	ROCK2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/rock2-antibody-immunohistochemistry-western-blot-elisa/46248>