

Rabbit anti-Human Rho Kinase / ROCK1 Polyclonal Antibody | anti-ROCK1 antibody

Rabbit Polyclonal to Human Rho Kinase / ROCK1

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA52147	Rabbit	Human	Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

Rho Kinase / ROCK1; Polyclonal Antibody; Rabbit Polyclonal to Human Rho Kinase / ROCK1; Anti-Rho Kinase / ROCK1 Antibody (N-Terminus) IHC-plus; ROCK1; p160 Rho-associated kinase; p160ROCK; p160 ROCK-1; p160-ROCK; p160RhoK; Rho-associated kinase; RockI; Rok; Rok alpha; Rho-alpha kinase; p160 rho-kinase; Rho kinase; ROCK-I; Rokalpha; Human Rho Kinase; anti-ROCK1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	Human ROCK1. ROCK1 antibody is predicted to not cross-react with other ROCK protein family members.
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.02% sodium azide
Concentration	1 mg/ml (varies by lot)
Sequence Length	1354
Applicable Applications for anti-ROCK1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	A 15 amino acid peptide near the amino terminus of human ROCK1
Immunogen Type	Synthetic peptide
Antigen Modification	N-Terminus
Preparation and Storage	Short term 4 degree C, long term aliquot and store at -20 degree C, avoid freeze thaw cycles. Store undiluted.

IMAGES



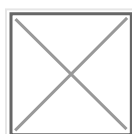
WB (Western Blot)

Western blot analysis of ROCK1 in 293 cell lysate with ROCK1 antibody at 1 ug/ml in (A) the absence and (B) the presence of blocking peptide.



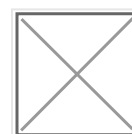
ICC (Immunocytochemistry)

Immunocytochemistry of ROCK1 in 293 cells with ROCK1 antibody at 10 ug/ml.



IF (Immunofluorescence)

Immunofluorescence of ROCK1 in 293 cells with ROCK1 antibody at 20 ug/ml.



IHC (Immunohistochemistry)

Anti-ROCK1 antibody IHC of human brain, cortex. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-ROCK1 antibody	ROCK1 is a ROCK protein serine/threonine kinase that is activated when bound to the GTP-bound form of Rho. ROCK1 mediates Rho-induced assembly of focal adhesions and stress fibers. ROCK1, phosphorylates and activates LIM kinase, which in turn, phosphorylates cofilin, inhibiting its actin-depolymerizing activity. In addition, p160ROCK is required for centrosome positioning and centrosome-dependent exit from mitosis.
Product Categories/Family for anti-ROCK1 antibody	Family: Protein Kinase; Subfamily: ROCK

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885583
NCBI GeneID	6093
NCBI Accession #	NP_005397.1
NCBI GenBank Nucleotide #	NM_005406.2
UniProt Accession #	Q13464; Q2KHM4; Q59GZ4; B0YJ91
Molecular Weight	158,175 Da
NCBI Official Full Name	rho-associated protein kinase 1
NCBI Official Synonym Full Names	Rho-associated, coiled-coil containing protein kinase 1
NCBI Official Symbol	ROCK1
NCBI Official Synonym Symbols	ROCK-I; P160ROCK
NCBI Protein Information	rho-associated protein kinase 1; p160-ROCK; Rho kinase; p160 ROCK-1; renal carcinoma antigen NY-REN-35; rho-associated, coiled-coil-containing protein kinase 1; rho-associated, coiled-coil-containing protein kinase I
UniProt Protein Name	Rho-associated protein kinase 1
UniProt Gene Name	ROCK1
UniProt Synonym Gene Names	ROCK-I; p160ROCK
UniProt Entry Name	ROCK1_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/rho-kinase-rock1-antibody-western-blot-immunohistochemistry-elisa/52147>