

Human Rho Associated Coiled Coil Containing Protein Kinase 1 (Rock1) ELISA Kit | Rock1 elisa kit

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CATALOG # AAA68449	REACTIVITY Human
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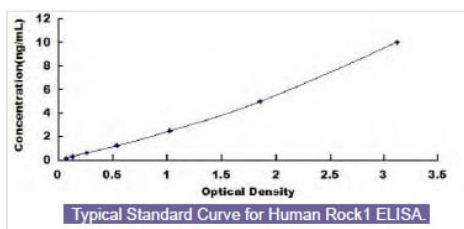
PRODUCT SYNONYMS

Rho Associated Coiled Coil Containing Protein Kinase 1 (Rock1); Human Rho Associated Coiled Coil Containing Protein Kinase 1 (Rock1) ELISA Kit; p160ROCK; Rho-associated protein kinase 1; Renal carcinoma antigen NY-REN-35; Rock1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Rock1. No significant cross-reactivity or interference between Rock1 and analogues was observed.
Sequence Length	1354
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	<0.048ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Rock1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Rock1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Rock1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of Rock1 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to Rock1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to Rock1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Rock1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of Rock1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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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
UniProt Protein Name	Rho-associated protein kinase 1
UniProt Gene Name	ROCK1
UniProt Synonym Gene Names	ROCK-I; p160ROCK

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/human-elisa-kits/rho-associated-coiled-coil-containing-protein-kinase-1-rock1/68449>