

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

Human Rho Associated Coiled Coil Containing Protein Kinase 1 (Rock1) (Sandwich ELISA) ELISA Kit

CATALOG #
AAA190018

REACTIVITY
Human

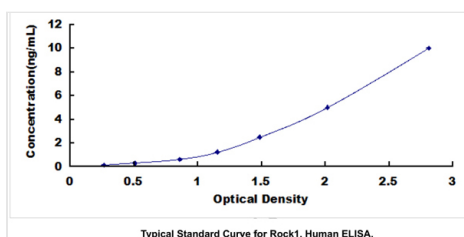
PRODUCT SYNONYMS

Rho Associated Coiled Coil Containing Protein Kinase 1; Human Rho Associated Coiled Coil Containing Protein Kinase 1 (Rock1) (Sandwich ELISA) ELISA Kit; p160ROCK; Rho-associated protein kinase 1; Renal carcinoma antigen NY-REN-35; ELISA Kit for Rho Associated Coiled Coil Containing Protein Kinase 1 (Rock1); 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.
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.055ng/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%
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Rock1 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to Rock1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody 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. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of Rock1 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for Rock1 elisa kit	Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	47605999
NCBI GeneID	6093
UniProt Accession #	Q13464; Q2KHM4; Q59GZ4; B0YJ91
Molecular Weight	1354
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/rock1-human-elisa-kits/rho-associated-coiled-coil-containing-protein-kinase-1/190018>