

Human Rock-2 (Rho Associated Coiled Coil Containing Protein Kinase 2) ELISA Kit | Rock-2 elisa kit

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CATALOG #
AAA277912

REACTIVITY
Human

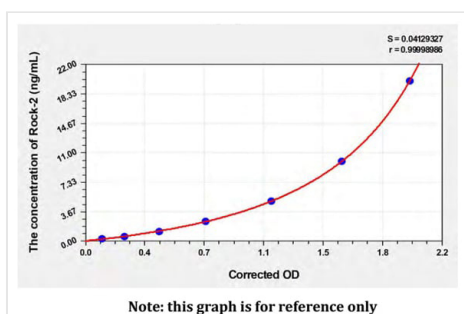
PRODUCT SYNONYMS

Rock-2 (Rho Associated Coiled Coil Containing Protein Kinase 2); Human Rock-2 (Rho Associated Coiled Coil Containing Protein Kinase 2) ELISA Kit; ROCK-II; Rock-2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human Rock-2. No significant cross-reactivity or interference between Human Rock-2 and analogues was observed.
Assay Type	Sandwich
Detection Range	0.32-20 ng/mL
Sensitivity	0.14 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV% < 8%. Three samples of known concentration were tested twenty times on 1 plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (precision between assays)? CV% < 10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Rock-2 elisa kit

Principle of the Assay: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Human Rock-2. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human Rock-2. 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 Human Rock-2, 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 Human Rock-2 in the samples is then determined by comparing the OD of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	41872583
NCBI GeneID	9475
NCBI Accession #	NP_004841.2
NCBI GenBank Nucleotide #	NM_004850.3
UniProt Accession #	O75116; Q53QZ0; Q53SJ7; Q9UQN5
Molecular Weight	160,900 Da
NCBI Official Full Name	rho-associated protein kinase 2
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; p164 ROCK-2; rho-associated, coiled-coil-containing protein kinase II
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/human-elisa-kits/rock-2-rho-associated-coiled-coil-containing-protein-kinase-2/277912>