

Rho Associated Coiled Coil Containing Protein Kinase 2 (Rock2) ELISA Kit | Rock2 elisa kit

Multi-species Rho Associated Coiled Coil Containing Protein Kinase 2 (Rock2) ELISA Kit

CATALOG #
AAA185156

REACTIVITY
Human, Mouse, Rat

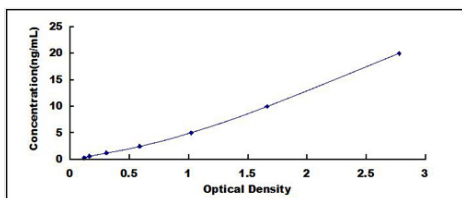
PRODUCT SYNONYMS

Rho Associated Coiled Coil Containing Protein Kinase 2 (Rock2); Multi-species Rho Associated Coiled Coil Containing Protein Kinase 2 (Rock2) ELISA Kit; Human/Mouse/Rat Rho Associated Coiled Coil Containing Protein Kinase 2 (Rock2) (Sandwich ELISA) ELISA Kit; Rock2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rho Associated Coiled Coil Containing Protein Kinase 2 (Rock2). No significant cross-reactivity or interference between Rho Associated Coiled Coil Containing Protein Kinase 2 (Rock2) and analogues was observed.
Sequence Length	1384
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates and Other Biological Fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.119ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Rho Associated Coiled Coil Containing Protein Kinase 2 (Rock2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Rho Associated Coiled Coil Containing Protein Kinase 2 (Rock2) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Rock2 elisa kit	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 Rho Associated Coiled Coil Containing Protein Kinase 2 (Rock2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Rho Associated Coiled Coil Containing Protein Kinase 2 (Rock2). 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 Rho Associated Coiled Coil Containing Protein Kinase 2 (Rock2), 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 Rho Associated Coiled Coil Containing Protein Kinase 2 (Rock2) 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 #	119621342
NCBI GeneID	9475
Molecular Weight	160,900 Da
NCBI Official Full Name	Rho-associated, coiled-coil containing protein kinase 2, isoform CRA_a
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

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-mouse-rat-elisa-kits/rho-associated-coiled-coil-containing-protein-kinase-2-rock2/185156>