

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

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CATALOG #  
**AAA189822**

REACTIVITY  
**Mouse**

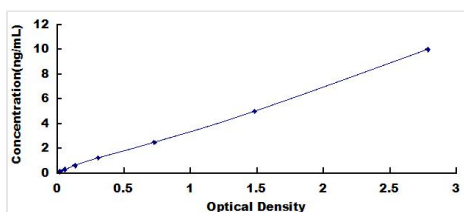
## PRODUCT SYNONYMS

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

## PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 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                 | Mouse tissue homogenates, cell lysates, cell culture supernates and other biological fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Detection Range         | 0.156-10ng/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Sensitivity             | < 0.058ng/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 | Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life)<br>Shelf Life: 8 months<br>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 Rock1 elisa kit | <p>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, 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.</p> <p>Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of Rock1 in mouse tissue homogenates, cell lysates, cell culture supernates and other biological fluids.</p> |
| Product Categories/Family for Rock1 elisa kit   | Signal transduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                       |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 6677759                                                                                                                                                                                                               |
| NCBI GeneID                      | 19877                                                                                                                                                                                                                 |
| NCBI Accession #                 | NP_033097.1                                                                                                                                                                                                           |
| NCBI GenBank Nucleotide #        | NM_009071.2                                                                                                                                                                                                           |
| UniProt Accession #              | P70335; Q8C3G4; Q8C7H0                                                                                                                                                                                                |
| Molecular Weight                 | 158,171 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; 1110055K06Rik                                                                                                                                                                                                 |
| NCBI Protein Information         | rho-associated protein kinase 1; p160ROCK; p160 ROCK-1; Rho-associated coiled-coil forming kinase 1; 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_MOUSE                                                                                                                                                                                                           |

**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/mouse-elisa-kits/rho-associated-coiled-coil-containing-protein-kinase-1-rock1/189822>