

Mouse Protein Kinase, AMP Activated Alpha 1 (PRKAA1) ELISA Kit | PRKAA1 elisa kit

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CATALOG #
AAA219682

REACTIVITY
Mouse

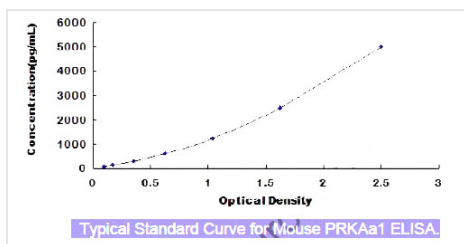
PRODUCT SYNONYMS

Protein Kinase; AMP Activated Alpha 1 (PRKAA1); Mouse Protein Kinase; AMP Activated Alpha 1 (PRKAA1) ELISA Kit; AMPK; AMPKα1; PKA; ACACA kinase; 5'-AMP-Activated Protein Kinase Catalytic Subunit Alpha-1; Acetyl-CoA carboxylase kinase; Hydroxymethylglutaryl-CoA reductase kinase; PRKAA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of PRKAA1. No significant cross-reactivity or interference between PRKAA1 and analogues was observed.
Purity/Purification	Affinity Purification
Sequence Length	559
Samples	Mouse Serum, Plasma, Tissue Homogenates Or Other Biological Fluids
Assay Type	Quantitative Sandwich
Detection Range	78.1-5000pg/ml
Sensitivity	30.8pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PRKAA1 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 PRKAA1 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 or -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRKAa1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of PRKAa1 in mouse serum, plasma, tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PRKAa1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PRKAa1. 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 PRKAa1, 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 PRKAa1 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 #	94681061
NCBI GeneID	105787
NCBI Accession #	NP_001013385.3
NCBI GenBank Nucleotide #	NM_001013367.3
UniProt Accession #	Q5EG47
Molecular Weight	63,929 Da
NCBI Official Full Name	5'-AMP-activated protein kinase catalytic subunit alpha-1 isoform 1
NCBI Official Synonym Full Names	protein kinase, AMP-activated, alpha 1 catalytic subunit
NCBI Official Symbol	Prkaa1
NCBI Official Synonym Symbols	AI194361; AI450832; AL024255; AMPKalpha1; C130083N04Rik
NCBI Protein Information	5'-AMP-activated protein kinase catalytic subunit alpha-1
UniProt Protein Name	5'-AMP-activated protein kinase catalytic subunit alpha-1
UniProt Gene Name	Prkaa1
UniProt Synonym Gene Names	AMPK subunit alpha-1; ACACA kinase; HMGCR kinase

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/protein-kinase-amp-activated-alpha-1-prkaa1/219682>