

Human Protein Kinase, AMP Activated Alpha 1 ELISA Kit | PRKAA1 elisa kit

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CATALOG #
AAA86921

REACTIVITY
Human

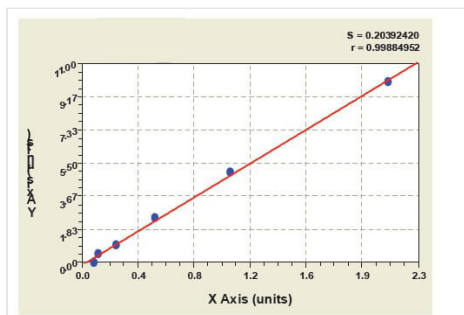
PRODUCT SYNONYMS

Protein Kinase; AMP Activated Alpha 1; Human Protein Kinase; AMP Activated Alpha 1 ELISA Kit; PRKAA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This PRKAA1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PRKAA1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRKAA1 elisa kit

Principle of the Assay: PRKAA1 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for PRKAA1. Standards or samples are then added to the microtiter plate wells and PRKAA1 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of PRKAA1 present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for PRKAA1 are added to each well to "sandwich" the PRKAA1 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain PRKAA1 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PRKAA1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	29124503
NCBI GeneID	5562
Molecular Weight	65,523 Da
NCBI Official Full Name	Protein kinase, AMP-activated, alpha 1 catalytic subunit
NCBI Official Synonym Full Names	protein kinase, AMP-activated, alpha 1 catalytic subunit
NCBI Official Symbol	PRKAA1
NCBI Official Synonym Symbols	AMPK; AMPKa1
NCBI Protein Information	5'-AMP-activated protein kinase catalytic subunit alpha-1; ACACA kinase; AMPK alpha 1; HMGCR kinase; AMPK subunit alpha-1; tau-protein kinase PRKAA1; acetyl-CoA carboxylase kinase; AMP -activate kinase alpha 1 subunit; hydroxymethylglutaryl-CoA reductase kinase; AMP-activated protein kinase, catalytic, alpha-1; 5'-AMP-activated protein kinase, catalytic alpha-1 chain
UniProt Protein Name	5'-AMP-activated protein kinase catalytic subunit alpha-1
UniProt Gene Name	PRKAA1
UniProt Synonym Gene Names	AMPK1; AMPK subunit alpha-1; ACACA kinase; HMGCR kinase
UniProt Entry Name	AAPK1_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/prkaa1-human-elisa-kits/protein-kinase-amp-activated-alpha-1/86921>