

Human 5'-AMP-activated protein kinase catalytic subunit alpha-1 ELISA Kit | PRKAA1 elisa kit

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CATALOG # AAA101527	REACTIVITY Human
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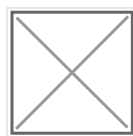
PRODUCT SYNONYMS

5'-AMP-activated protein kinase catalytic subunit alpha-1; Human 5'-AMP-activated protein kinase catalytic subunit alpha-1 ELISA Kit; PRKAA1/2.7.11.26/Tau-protein kinase PRKAA1/2.7.11.27/Tau-protein kinase PRKAA1 (ACACA kinase)/2.7.11.31/Hydroxymethylglutaryl-CoA reductase kinase (HMGCR kinase)/AMPK1/AMPK subunit alpha-1; PRKAA1 elisa kit

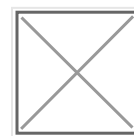
PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	559
Assay Type	Competitive ELISA, Coated with Antigen
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRKAA1 elisa kit	Principle of the Assay This ELISA kit uses Competitive-ELISA as the method. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Human PRKAA1. During the reaction, Human PRKAA1 in the sample or standard competes with a fixed amount of biotin-labeled Human PRKAA1 for sites on a pre-coated Monoclonal antibody specific to Human PRKAA1. Excess conjugate and unbound sample or standard are washed from the plate, and HRP-Streptavidin (SABC) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. The concentration of Human 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 #	94557301
NCBI GeneID	5562

NCBI Accession #	NP_006242.5
NCBI GenBank Nucleotide #	NM_006251.5
Molecular Weight	65,523 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 catalytic subunit alpha 1
NCBI Official Symbol	PRKAA1
NCBI Official Synonym Symbols	AMPK; AMPKa1
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	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/5-amp-activated-protein-kinase-catalytic-subunit-alpha-1/101527>