

Rat cAMP-dependent protein kinase catalytic subunit alpha ELISA Kit | Prkaca elisa kit

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CATALOG #
AAA99737

REACTIVITY
Rat

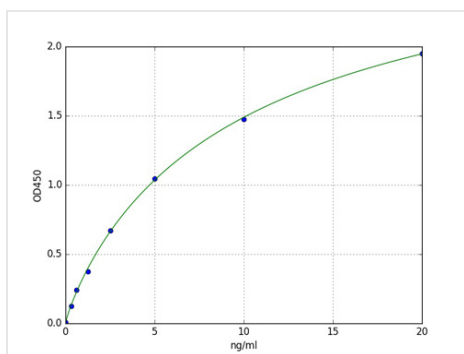
PRODUCT SYNONYMS

cAMP-dependent protein kinase catalytic subunit alpha; Rat cAMP-dependent protein kinase catalytic subunit alpha ELISA Kit; Prkaca/cAMP-dependent protein kinase catalytic subunit alpha/PKA C-alpha; Prkaca elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	351
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/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)

Typical Data & Standard Curve

Results of a typical standard run of a Rat Prkaca ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.313	0.625	1.25	2.5	5	10	20
Y	OD450	0.034	0.097	0.157	0.444	0.776	1.173	1.898	2.257

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Prkaca elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat Prkaca antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat Prkaca antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat Prkaca amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat Prkaca can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	155369271
NCBI GeneID	25636
NCBI Accession #	NP_001094392.1
NCBI GenBank Nucleotide #	NM_001100922.1
Molecular Weight	39,879 Da
NCBI Official Full Name	cAMP-dependent protein kinase catalytic subunit alpha
NCBI Official Synonym Full Names	protein kinase cAMP-activated catalytic subunit alpha
NCBI Official Symbol	Prkaca
NCBI Official Synonym Symbols	PKCA1; Cs-PKA
NCBI Protein Information	cAMP-dependent protein kinase catalytic subunit alpha
UniProt Protein Name	cAMP-dependent protein kinase catalytic subunit alpha
UniProt Gene Name	Prkaca
UniProt Synonym Gene Names	PKA C-alpha
UniProt Entry Name	KAPCA_RAT

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/prkaca-rat-elisa-kits/camp-dependent-protein-kinase-catalytic-subunit-alpha/99737>