

Rat Protein Kinase Calpha ELISA Kit | PKCalpha elisa kit

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CATALOG #
AAA101509

REACTIVITY
Rat

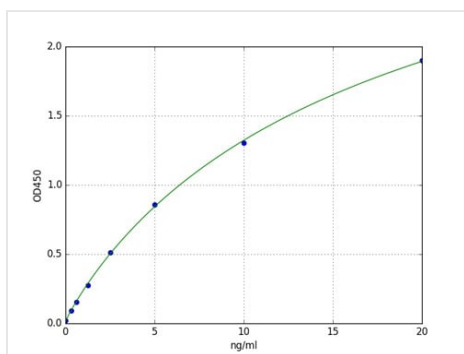
PRODUCT SYNONYMS

Protein Kinase Calpha; Rat Protein Kinase Calpha ELISA Kit; PKCalpha/PKCA/PRKCA/AAG6/aging-associated gene 6/MGC129901/PKC-A/PKC-alpha/PKCAMGC129900/PRKACA/protein kinase C alpha type/protein kinase C; alpha; Protein Kinase Ca; PKCalpha elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	672
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 PKC α 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	0.033	0.099	0.169	0.407	0.670	1.141	1.980	2.287

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PKCalpha elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat PKCalpha antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat PKCalpha 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 PKCalpha amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat PKCalpha can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	27806089
NCBI GeneID	282001
NCBI Accession #	NP_776860.1
NCBI GenBank Nucleotide #	NM_174435.1
Molecular Weight	76,837 Da
NCBI Official Full Name	protein kinase C alpha type
NCBI Official Symbol	PRKCA
NCBI Official Synonym Symbols	PKRCA
NCBI Protein Information	protein kinase C alpha type
UniProt Protein Name	Protein kinase C alpha type
UniProt Gene Name	PRKCA
UniProt Synonym Gene Names	PKC-A; PKC-alpha
UniProt Entry Name	KPCA_BOVIN

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://www.aaabiotech.com/pkcalpha-rat-elisa-kits/protein-kinase-calpha/101509>