

Human Protein Kinase C alpha Type (PRKCA) ELISA Kit | PRKCA elisa kit

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CATALOG #
AAA31487

REACTIVITY
Human

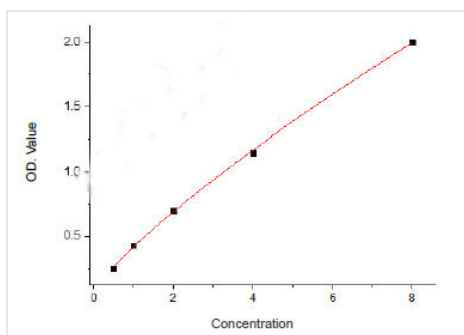
PRODUCT SYNONYMS

Protein Kinase C alpha Type (PRKCA); Human Protein Kinase C alpha Type (PRKCA) ELISA Kit; PRKCA; AAG6; MGC129900; MGC129901; PKC-alpha; PKCA; PRKACA; aging-associated gene 6; protein kinase C alpha type; PRKCA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	672
Assay Type	Sandwich
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRKCA elisa kit

Principle of the Assay: Human Protein kinase C alpha type (PRKCA) ELISA Kit employs a two-site sandwich ELISA to quantitate PRKCA in samples. An antibody specific for PRKCA has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PRKCA present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRKCA is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PRKCA bound in the initial step. The color development is stopped and the intensity of the color is measured.

Background/Introduction: PRKCA, refers to both a human gene and the protein that is encoded by it. Protein kinase C (PKC) is a family of serine- and threonine-specific protein kinases that can be activated by calcium and the second messenger diacylglycerol. PKC family members phosphorylate a wide variety of protein targets and are known to be involved in diverse cellular signaling pathways. PKC family members also serve as major receptors for phorbol esters, a class of tumor promoters. Each member of the PKC family has a specific expression profile and is believed to play a distinct role in cells. The protein encoded by this gene is one of the PKC family members.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506067
NCBI GeneID	5578
NCBI Accession #	NP_002728.1
NCBI GenBank Nucleotide #	NP_002728.1
UniProt Accession #	P17252
NCBI Official Full Name	protein kinase C alpha type
NCBI Official Synonym Full Names	protein kinase C alpha
NCBI Official Symbol	PRKCA
NCBI Official Synonym Symbols	AAG6; PKCA; PRKACA; PKCI+/-; PKCalpha; PKC-alpha
NCBI Protein Information	protein kinase C alpha type
UniProt Protein Name	Protein kinase C alpha type
UniProt Gene Name	PRKCA
UniProt Synonym Gene Names	PKCA; PRKACA; PKC-A; PKC-alpha
UniProt Entry Name	KPCA_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://www.aaabiotech.com/human-elisa-kits/protein-kinase-c-alpha-type-prkca/31487>