

Mouse Protein kinase C alpha type (PRKCA) ELISA Kit



Catalog No: #EK8249

Orders: order@signalwayantibody.com

Package Size: #EK8249-1 48T #EK8249-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Mouse Protein kinase C alpha type (PRKCA) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	AAG6; MGC129900; MGC129901; PKC-alpha; PKCA; PRKACA; aging-associated gene 6 protein kinase C alpha type
Accession No.	P20444
Uniprot	P20444
GeneID	18750;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:0.781-50 ng/mL

Sensitivity:0.31 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:Sandwich Test principle:This assay 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.

Product Overview: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. This kinase has been reported to play roles in many different cellular processes, such as cell adhesion, cell transformation, cell cycle checkpoint, and cell volume control.

Note: This product is for in vitro research use only