

Product datasheet for TA380353S

PKC alpha (PRKCA) Rabbit Polyclonal Antibody

Product data:

OriGene Technologies, Inc.

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Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	WB,1:500 - 1:2000 ELISA,Recommended starting concentration is 1 μ g/mL. Please optimize the concentration based on your specific assay requirements.
Reactivity:	Human
Modifications:	Phospho S657/Y658
Host:	Rabbit
lsotype:	lgG
Clonality:	Polyclonal
Formulation:	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	77kDa
Gene Name:	protein kinase C alpha
Database Link:	<u>Entrez Gene 5578 Human</u> <u>P17252</u>



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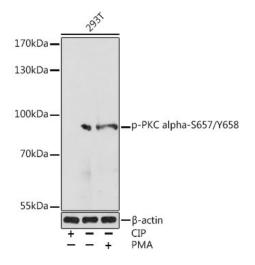
CRIGENE PKC alpha (PRKCA) Rabbit Polyclonal Antibody – TA380353S

Background: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. Knockout studies in mice suggest that this kinase may be a fundamental
regulator of cardiac contractility and Ca(2+) handling in myocytes.

Synonyms:

AAG6; MGC129900; MGC129901; PKC-A; PKC-alpha; PKCA; PRKACA

Product images:



Western blot analysis of various lysates using Phospho-PKC alpha-S657/Y658 Rabbit pAb ([TA380353]) at 1:1000 dilution. 293T cells were treated by CIP(20uL/400ul) at 37°C for 1 hour. 293T cells were treated by PMA/TPA (200 nM) at 37°C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit . Exposure time: 30s.

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