



PKC (phospho Thr497) rabbit pAb

Cat No.:ES6766

For research use only

Overview

Product Name	PKC (phospho Thr497) rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species	Human;Mouse;Rat
Cross-Reactivity	
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human PKC-pan around the phosphorylation site of Thr497. AA range:623-672
Specificity	Phospho-PKC (T497) Polyclonal Antibody detects endogenous levels of PKC protein only when phosphorylated at T497.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Protein kinase C alpha type/Protein kinase C beta type/Protein kinase C delta type/Protein kinase C epsilon type/Protein kinase C gamma type/Protein kinase C eta type/Protein kinase C theta type/Protein kinase C zeta type
Gene Name	PRKCA/PRKCB/PRKCD/PRKCE/PRKCG/PRKCH/PRKCK/PRKCQ/PRKCZ
Cellular localization	Cytoplasm . Cell membrane ; Peripheral membrane protein . Mitochondrion membrane ; Peripheral membrane protein . Nucleus .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	83kD
Human Gene ID	5578/5579/5580/5581/5582/5583/5588/5590
Human	P17252/P05771/Q05655/Q02156/P05129/P24723/Q04759/Q055

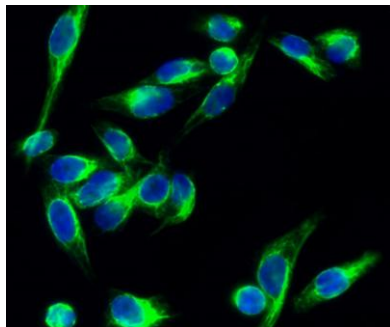




Swiss-Prot Number 13

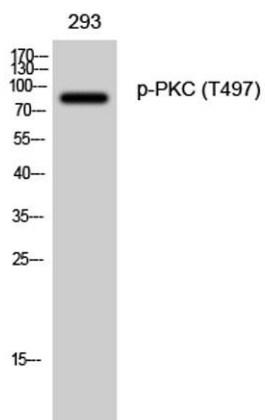
Alternative Names PRKCA; PKCA; PRKACA; Protein kinase C alpha type; PKC-A; PKC-alpha; PRKCB; PKCB; PRKCB1; Protein kinase C beta type; PKC-B; PKC-beta; PRKCD; Protein kinase C delta type; Tyrosine-protein kinase PRKCD; nPKC-delta; PRKCE; PKCE; Protein kinase

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. [provided by RefSeq, Jul 2

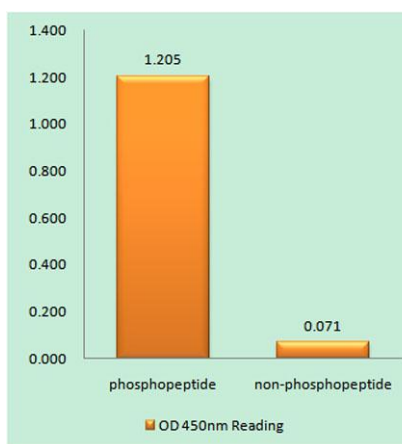


Immunofluorescence analysis of HeLa cell. 1,PKC (phospho Thr497) Polyclonal Antibody(green) was diluted at 1:200(4° overnight). 2, Goat Anti Rabbit Alexa Fluor 488 Catalog:RS3211 was diluted at 1:1000(room temperature, 50min). 3 DAPI(blue) 10min.





Western Blot analysis of 293 cells using Phospho-PKC (T497) Polyclonal Antibody diluted at 1:500



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using PKC-pan (Phospho-Thr497) Antibody

Immunofluorescence analysis of HepG2 cells, using PKC-pan (Phospho-Thr497) Antibody. The picture on the right is blocked with the phospho peptide.

