

## Anti-Phospho-PRKCA (Thr497) Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Actual: 83 kDa.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

## Applications

Application:	ELISA,ICC/IF,IHC-P,WB
Recommended	WB: 1:500-2000; IHC-P: 1:100-300; ICC/IF: 1:200-1000; ELISA: 1:40000

## Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	A synthesized phosphopeptide: human PKC-pan around the phosphorylation site of Thr497. AA range:623-672
Antigen Species:	Human
Uniprot ID:	P17252
Synonyms:	PKC gamma;PRKCB1;PKC beta;PKCD;PRKCA (p-T497);PRKCA;PKCG;PKC alpha;PRKCB;PKC-alpha;PRKCD;Protein kinase C epsilon;PRKCG;Protein kinase C zeta;PKC zeta;Protein kinase C alpha;Phospho-PRKCA (T497);PKCB;PRKCA (p-Thr497);PRKCZ;p-PRKCA (T497);Protein kinase C delta;Protein kinase C;PRKCB2;p-PRKCA (Thr497);PKCA;PKC-A;Protein kinase C gamma;PKC2;PKCE;KPCA_HUMAN;PKC epsilon;PKC delta;PRKCE;Protein kinase C beta

## Research Background

protein kinase C alpha(PRKCA) Homo sapiens 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]

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