

**Product Name: Phospho-PKC alpha (Thr497) Rabbit
Monoclonal Antibody
Catalog #: AMRe87675**



Summary

Production Name	Phospho-PKC alpha (Thr497) Rabbit Monoclonal Antibody
Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB, IHC-P
Reactivity	Human, Mouse, Rat

Performance

Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt.
Purification	Affinity Purification

Immunogen

Gene Name	Phospho-PKC alpha
Alternative Names	AAG6; PKCA; PRKACA; PKC-alpha
Gene ID	5578, 18750, 24680
SwissProt ID	P17252, P20444, P05696.

Application

Dilution Ratio	WB: 1:5000-1:50000 IHC-P: 1:1000-1:10000
Molecular Weight	Calculated MW:77 kDa; Observed MW:77 kDa

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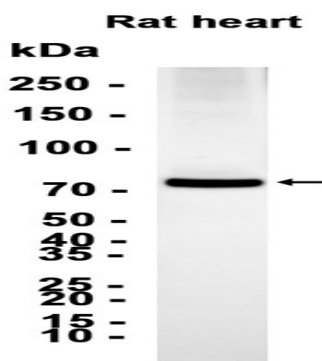


Background

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 2008]

Research Area

Image Data



Western blot analysis of extracts from Rat heart tissue using AMRe87675 at 1:10000.

Note

For research use only.