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Phospho-PKC alpha (Thr497) (1U14) Rabbit Monoclonal Antibody

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Catalog # AP93754

Specification

Phospho-PKC alpha (Thr497) (1U14) Rabbit Monoclonal Antibody - Product Information

Application	**WB, IHC**
Primary Accession	P17252, P20444, P05696
Reactivity	**Rat, Human, Mouse**
Clonality	**Monoclonal**

Phospho-PKC alpha (Thr497) (1U14) Rabbit Monoclonal Antibody - Additional Information

Dilution
WB~~1:1000
IHC~~1:100~500

Storage Conditions
-20℃

Phospho-PKC alpha (Thr497) (1U14) Rabbit Monoclonal Antibody - Protein Information

Phospho-PKC alpha (Thr497) (1U14) Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Phospho-PKC alpha (Thr497) (1U14) Rabbit Monoclonal Antibody - Images

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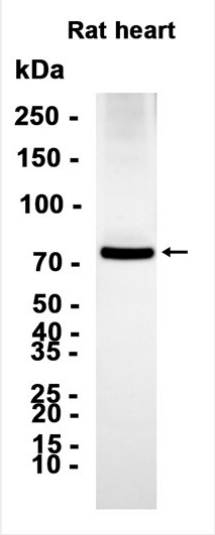

Western blot analysis of extracts from Rat heart tissue using AP93754 at 1:10000.

Phospho-PKC alpha (Thr497) (1U14) Rabbit Monoclonal Antibody - 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]