

## PRKCA

**Reactivity:** Human Mouse Rat

**Tested applications:** WB IHC ICC IF IP FC

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:200 ICC 1:50 - 1:200 IF 1:50 - 1:100  
IP 1:20 - 1:50 FC 1:20 - 1:50

**Calculated MW:** 75 kDa

**Observed MW:** Refer to figures

**Immunogen:**

Recombinant protein of human PRKCA

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

AAG6; PKCA; PRKACA; PKC-alpha;

**Catalog #:** A11107

**Antibody Type:**

Monoclonal Antibody

**Species:** Rabbit

**Gene ID:** 5578

**Isotype:** IgG

**Swiss Prot:** P17252

**Purity:** Affinity purification

For research use only.

**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.

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