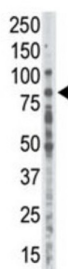
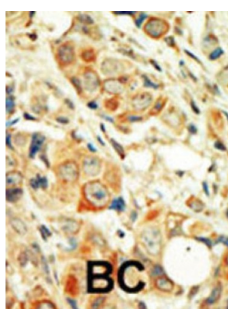
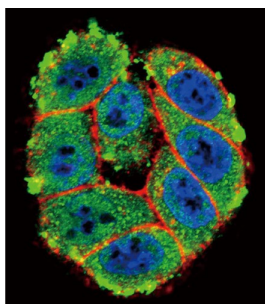


## Protein Kinase C Alpha Type (PRKCA) Antibody

Catalogue No.: abx033114



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. PKC alpha 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<sup>2+</sup> handling in myocytes.

**Target:** Protein Kinase C Alpha Type (PRKCA)

**Clonality:** Polyclonal

**Reactivity:** Human

**Tested Applications:** ELISA, WB, IHC, IF/ICC, FCM

# Datasheet

Version: 4.0.0  
Revision date: 24 Jul 2025



<b>Host:</b>	Rabbit
<b>Recommended dilutions:</b>	WB: 1/1000, IHC-P: 1/10 - 1/50, IF/ICC: 1/10 - 1/50, FCM: 1/10 - 1/50. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
<b>Conjugation:</b>	Unconjugated
<b>Immunogen:</b>	KLH-conjugated synthetic peptide between 299-329 amino acids from the C-terminal region of human PKC alpha.
<b>Isotype:</b>	IgG
<b>Form:</b>	Liquid
<b>Purification:</b>	Purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
<b>UniProt Primary AC:</b>	P17252 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
<b>NCBI Accession:</b>	NP_002728.1
<b>KEGG:</b>	hsa:5578
<b>String:</b>	<a href="#">9606.ENSP00000408695</a>
<b>Molecular Weight:</b>	Calculated MW: 76.8 kDa
<b>Buffer:</b>	PBS containing 0.09% sodium azide.
<b>Specificity:</b>	Predicted to react with Mouse, Rat and Rabbit PRKCA.
<b>Note:</b>	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.