# antibodies .- online.com







## **Images**

Alternative Name:



Overview	
Quantity:	100 μg
Target:	PKC eta (PRKCH)
Binding Specificity:	AA 30-389
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PKC eta antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)
Product Details	
Immunogen:	Amino acids 30-389 of human PKC eta were used as the immunogen for the PKC eta antibody.
Isotype:	IgG
Purification:	Antigen affinity
Target Details	
Target:	PKC eta (PRKCH)

Background: PRKCH is also known as PKC eta. Protein kinase C (PKC) is a family of serine- and threoninespecific protein kinases that can be activated by calcium and the second messenger

PKC eta (PRKCH Products)

diacylglycerol. PKC family members phosphorylate a wide variety of protein targets and are

known to be involved in diverse cellular signaling pathways. Also, PKC family members 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. It is a calcium-independent and phospholipids-dependent protein kinase. And it is predominantly expressed in epithelial tissues and has been shown to reside specifically in the cell nucleus. This protein kinase can regulate keratinocyte differentiation by activating the MAP kinase MAPK13 (p38delta)-activated protein kinase cascade that targets CCAAT/enhancer-binding protein alpha (CEBPA). It is also found to mediate the transcription activation of the transglutaminase 1 (TGM1) gene.

UniProt: P24723

Pathways: Myometrial Relaxation and Contraction, Thromboxane A2 Receptor Signaling

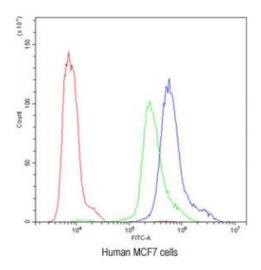
### **Application Details**

Application Notes:	Optimal dilution of the PKC eta antibody should be determined by the researcher.\. Western
	blot: 0.1-0.5 μg/mL,FACS: 1-3 μg/10 <sup>6</sup> cells
Restrictions:	For Research Use only

#### Handling

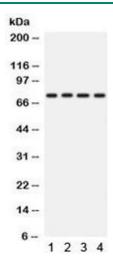
Buffer:	0.5 mg/mL if reconstituted with 0.2 mL sterile DI water
Storage:	-20 °C
Storage Comment:	After reconstitution, the PKC eta antibody can be stored for up to one month at 4°C. For long-
	term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

#### **Images**



#### **Flow Cytometry**

**Image 1.** Flow cytometry testing of human MCF7 cells with PKC eta antibody at 1ug/10<sup>6</sup> cells (blocked with goat sera)



#### **Western Blotting**

**Image 2.** Western blot testing of human 1) A431, 2) A549, 3) HeLa and 4) SKOV lysate with PKC eta antibody. Predicted/observed molecular weight ~78 kDa.