Product datasheet

Anti-PKC Eta/PRKCH Antibody

Catalog Number: *PB9556*

BOSTER
antibody and ELISA experts
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Basic Information

Product Name	Anti-PKC Eta/PRKCH Antibody
Gene Name	PRKCH
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB, IHC, FCM
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived human PKC eta recombinant protein (Position: R30-D389). Human PKC eta shares 96.7% and 96.1% amino acid (aa) sequence identity with mouse and rat PKC eta, respectively.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	78 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Flow Cytometry (Fixed): 1:50-200 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 23 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

PRKCH is also known as PKC eta. 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. 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.

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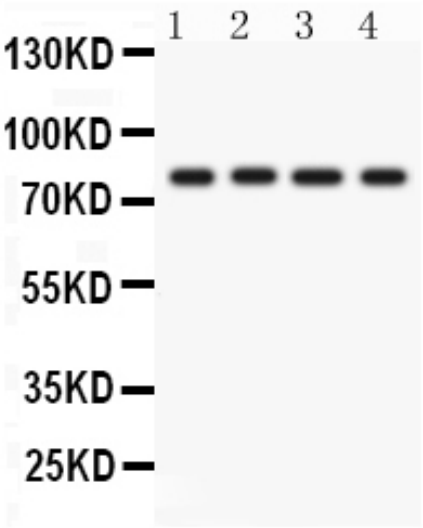
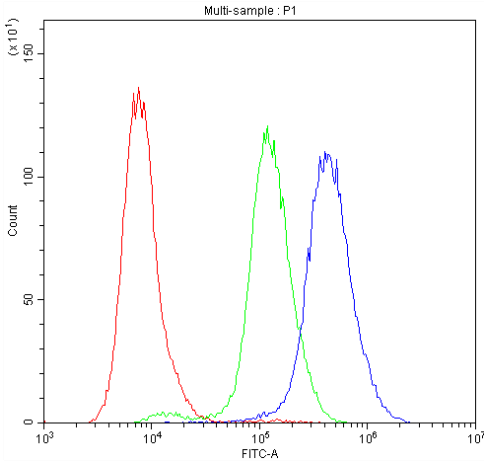
Reference

Anti-PKC Eta/PRKCH Antibody被引用在1文献中。

Selected Validation Data



Western blot analysis of PKC Eta/PRKCH using anti-PKC Eta/PRKCH antibody (PB9556). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: A431 whole cell lysates,
Lane 2: A549 whole cell lysates,
Lane 3: HELA whole cell lysates,
Lane 4: SKOV whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-PKC Eta/PRKCH antigen affinity purified polyclonal antibody (PB9556) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for PKC Eta/PRKCH at approximately 78 kDa. The expected band size for PKC Eta/PRKCH is at 78 kDa.



Flow Cytometry analysis of A431 cells using anti-PKC-eta antibody (PB9556).Overlay histogram showing A431 cells stained with PB9556 (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-PKC-eta Antibody (PB9556, 1:100) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127, 1:100) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1:100) used under the same conditions. Unlabelled sample (Red line) was also used as a control.