abcam

Product datasheet

Anti-PKC zeta (phospho T560) antibody [EP2037AY] ab62372



重组 RabMAb

22 References 7 图像

概述

产品名称 Anti-PKC zeta (phospho T560)抗体[EP2037AY]

描述 兔单克隆抗体[EP2037AY] to PKC zeta (phospho T560)

宿主 Rabbit

经测试应用 适用于: WB, IHC-P, Dot blot

不适用于: Flow Cyt or ICC/IF

种属反应性 与反应: Mouse, Rat, Human

免疫原 Synthetic peptide within Human PKC zeta aa 550-650 (phospho T560). The exact sequence is

proprietary.

阳性对照 WB: HeLa cell lysates. IHC-P: Human brain tissue and human breast ductal carcinoma tissue.

常规说明 This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility

- Improved sensitivity and specificity

- Long-term security of supply

- Animal-free production

For more information see here.

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb**® **patents**.

性能

形式

存放说明 Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.

存储溶液 pH: 7.20

Preservative: 0.01% Sodium azide

Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine), 0.05% BSA

纯度 Protein A purified

克隆 单克降

克隆编号 EP2037AY

同种型 lgG

The Abpromise guarantee Abpromise™承诺保证使用ab62372于以下的经测试应用

"应用说明"部分下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/1000 - 1/10000. Detects a band of approximately 70 kDa (predicted molecular weight: 68 kDa).
IHC-P		1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
Dot blot		1/1000.

应用说明 Is unsuitable for Flow Cyt or ICC/IF.

This is a calcium-independent, phospholipid-dependent, serine- and threonine-specific enzyme.

Phosphorylates 'Ser-311' of RELA subunit of NF-kappa-B.

PKC is activated by diacylglycerol which in turn phosphorylates a range of cellular proteins. PKC also serves as the receptor for phorbol esters, a class of tumor promoters. Subunit of a quaternary complex that plays a central role in epithelial cell polarization.

组织特异性 Expressed in brain, and to a lesser extent in lung, kidney and testis.

序列相似性 Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. PKC subfamily.

Contains 1 AGC-kinase C-terminal domain.

Contains 1 OPR domain.

Contains 1 phorbol-ester/DAG-type zinc finger.

Contains 1 protein kinase domain.

结**构域** The OPR domain mediates mutually exclusive interactions with SQSTM1 and PARD6B.

The C1 domain does not bind the diacylglycerol (DAG).

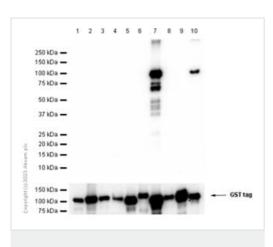
翻译后修饰 CDH5 is required for its phosphorylation at Thr-410.

细胞定位 Cytoplasm. Endosome. Cell junction. In the retina, localizes in the terminals of the rod bipolar cells

(By similarity). Associates with endosomes. Presence of KRIT1, CDH5 and RAP1B is required

for its localization to the cell junction.

图片



Western blot - Anti-PKC zeta (phospho T560) antibody [EP2037AY] (ab62372)

All lanes : Anti-PKC zeta (phospho T560) antibody [EP2037AY] (ab62372) at 1/1000 dilution

Lane 1 : Recombinant human PKC alpha protein (Active) (ab55672)

Lane 2: Recombinant human PKC beta 1 protein (ab60840)

Lane 3: Recombinant human PKC beta 2 protein (ab60841)

Lane 4 : Recombinant human PKC gamma protein (ab60842)

Lane 5: Recombinant human PKC delta protein (ab60844)

Lane 6: Recombinant human PKC epsilon protein (ab60847)

Lane 7: Recombinant human PKC zeta protein (ab60848)

Lane 8: Recombinant human PKC eta protein (ab60849)

Lane 9 : Recombinant human PKC theta/PRKCQ protein

(ab56641)

Lane 10: Recombinant human PKC iota protein (ab60850)

Secondary

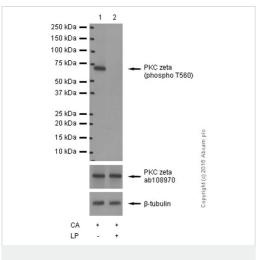
All lanes: Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000

dilution

Predicted band size: 68 kDa **Observed band size:** 105 kDa

Exposure time: 5 seconds

Blocking and diluting buffer and concentration: 5% NFDM/TBST.



Western blot - Anti-PKC zeta (phospho T560) antibody [EP2037AY] (ab62372)

All lanes : Anti-PKC zeta (phospho T560) antibody [EP2037AY] (ab62372) at 1/20000 dilution

Lane 1: HeLa cell lysate - treated with Calyculin A

Lane 2 : HeLa cell lysate - treated with Calyculin A and lambda phosphatase

Lysates/proteins at 10 µg per lane.

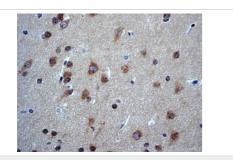
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (<u>ab97051</u>) at 1/20000 dilution

Predicted band size: 68 kDa

Exposure time: 3 minutes

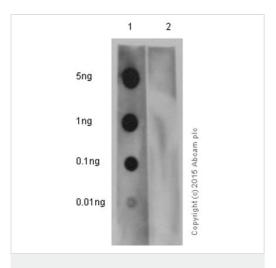
Blocking and dilution buffer: 5% NFDM/TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffinembedded sections) - Anti-PKC zeta (phospho T560) antibody [EP2037AY] (ab62372)

ab62372 at 1/100 dilution staining PKC zeta in human brain by Immunohistochemistry, Paraffin-embedded tissue.

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.

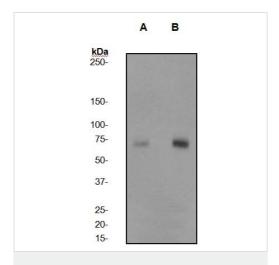


Dot Blot - Anti-PKC zeta (phospho T560) antibody [EP2037AY] (ab62372)

Dot blot analysis of PKC zeta (pT560) peptide (Lane 1) and PKC zeta non-phospho peptide (Lane 2) labelling PKC zeta (pT560) with ab62372 at a dilution of 1/1000. <u>ab97051</u> (Peroxidase conjugated goat anti-rabbit lgG (H+L)) was used as the secondary antibody at a dilution of 1/100000.

Blocking and dilution buffer: 5% NFDM/TBST.

Exposure time: 3 minutes.



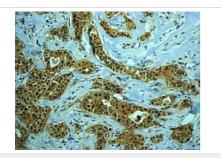
Western blot - Anti-PKC zeta (phospho T560) antibody [EP2037AY] (ab62372)

All lanes : Anti-PKC zeta (phospho T560) antibody [EP2037AY] (ab62372)

Lane 1 : Hela Cell Lysate (untreated with Calyculin A)

Lane 2 : Hela Cell Lysate (Treated with Calyculin A)

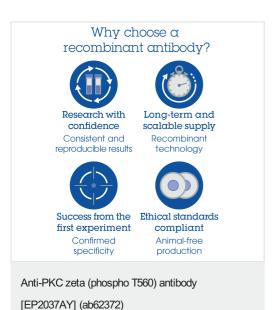
Predicted band size: 68 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffinembedded sections) - Anti-PKC zeta (phospho T560) antibody [EP2037AY] (ab62372)

ab62372 at 1/100 dilution staining PKC zeta in human breast ductal carcinoma by Immunohistochemistry, Paraffin-embedded tissue.

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



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