

Anti-PKD2 (phospho S876) antibody [EP1496Y] ab51251

重组 RabMAb

★★★★★ **4 Abreviews** **3 References** **4 图像**

概述

产品名称	Anti-PKD2 (phospho S876)抗体[EP1496Y]
描述	兔单克隆抗体[EP1496Y] to PKD2 (phospho S876)
宿主	Rabbit
经测试应用	适用于: WB, IP 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. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: HeLa treated with 100nM calyculin A, HEK-293 treated with 100nM calyculin A IP: ab51251 + HEK-293 (Human embryonic kidney epithelial cell) treated with 50nM Calyculin A for 3 hours whole cell lysate.
常规说明	<p>We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EP1496Y
同种型	IgG

应用

The Abpromise guarantee
Abpromise™承诺保证使用ab51251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	★★★★★ (4)	1/1000. Detects a band of approximately 105 kDa (predicted molecular weight: 97 kDa).
IP		1/20.

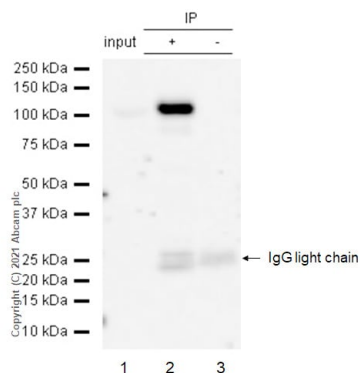
应用说明

Is unsuitable for Flow Cyt or ICC/IF.

靶标

功能	Converts transient diacylglycerol (DAG) signals into prolonged physiological effects, downstream of PKC. Involved in resistance to oxidative stress.
组织特异性	Widely expressed.
序列相似性	Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. PKD subfamily. Contains 1 PH domain. Contains 2 phorbol-ester/DAG-type zinc fingers. Contains 1 protein kinase domain.
翻译后修饰	Phosphorylation of Ser-876 correlates with the activation status of the kinase. Ser-706 is probably phosphorylated by PKC.
细胞定位	Cytoplasm. Membrane. Translocation to the cell membrane is required for kinase activation.

图片



Immunoprecipitation - Anti-PKD2 (phospho S876) antibody [EP1496Y] (ab51251)

Purified ab51251 at 1:20 dilution (0.6µg) immunoprecipitating PKD2 in HEK-293 (Human embryonic kidney epithelial cell) treated with 50nM Calyculin A for 3 hours whole cell lysate.

Lane 1 (input): HEK-293 (Human embryonic kidney epithelial cell) treated with 50nM Calyculin A for 3 hours whole cell lysate 10µg.

Lane 2 (+): ab51251 + HEK-293 (Human embryonic kidney epithelial cell) treated with 50nM Calyculin A for 3 hours whole cell lysate.

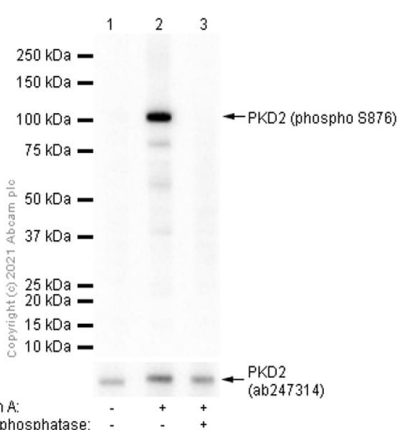
Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab51251 in HEK-293 treated with 50nM Calyculin A for 3 hours whole cell lysate.

VeriBlot for IP Detection Reagent (HRP)TM (**ab131366**) (1:1000 dilution) was used for Western blotting.

Blocking Buffer and concentration: 5% NFDm/TBST.

Diluting buffer and concentration: 5% NFDm/TBST.

Observed band size: 105 kDa



Western blot - Anti-PKD2 (phospho S876) antibody [EP1496Y] (ab51251)

All lanes : Anti-PKD2 (phospho S876) antibody [EP1496Y] (ab51251) at 1/1000 dilution (Purified)

Lane 1 : untreated HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate

Lane 2 : HeLa (Human cervix adenocarcinoma epithelial cell) starved overnight and treated with 100nM calyculin A for 60 minutes whole cell lysate

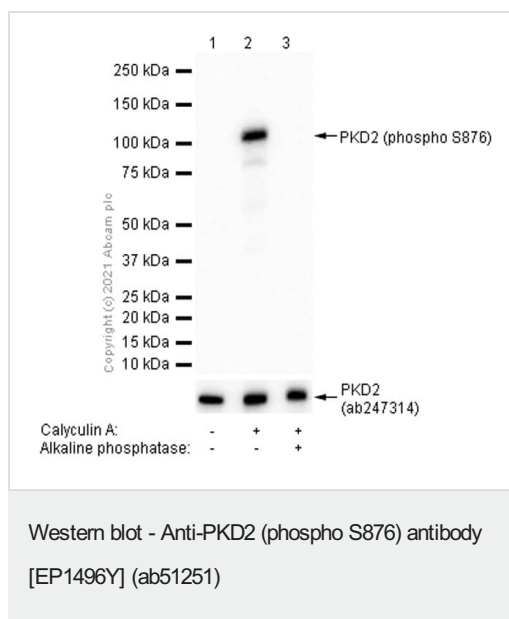
Lane 3 : HeLa (Human cervix adenocarcinoma epithelial cell) starved overnight and treated with 100nM calyculin A for 60 minutes whole cell lysate, then the membrane treated with Alkaline Phosphatase for 1 hour

Secondary

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

Predicted band size: 97 kDa

Observed band size: 105 kDa



All lanes : Anti-PKD2 (phospho S876) antibody [EP1496Y] (ab51251) at 1/1000 dilution (Purified)

Lane 1 : untreated HEK-293 (Human embryonic kidney epithelial cell) whole cell lysate

Lane 2 : HEK-293 (Human embryonic kidney epithelial cell) starved overnight and treated with 100nM calyculin A for 60 minutes, whole cell lysate

Lane 3 : HEK-293 (Human embryonic kidney epithelial cell) starved overnight and treated with 100nM calyculin A for 60 minutes whole cell lysate, then the membrane treated with Alkaline Phosphatase for 1 hour

Secondary

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

Predicted band size: 97 kDa

Observed band size: 105 kDa

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-PKD2 (phospho S876) antibody [EP1496Y] (ab51251)

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