abcam

Product datasheet

Anti-PKC mu/PKD antibody [EPR1492(2)] - BSA and Azide free ab226045

Recombinant RabMAb

2 Images

Overview

Product name	Anti-PKC mu/PKD antibody [EPR1492(2)] - BSA and Azide free
Description	Rabbit monoclonal [EPR1492(2)] to PKC mu/PKD - BSA and Azide free
Host species	Rabbit
Tested applications	**Suitable for:** WB **Unsuitable for:** Flow Cyt,ICC,IHC-P or IP
Species reactivity	**Reacts with:** Mouse, Rat, Human
Immunogen	Synthetic peptide within Human PKC mu/PKD aa 200-300. The exact sequence is proprietary.
Positive control	HeLa, Jurkat, HepG2, and K562 cell lysates
General notes	Ab226045 is the carrier-free version of ab108963. This format is designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes. Our carrier-free formats are supplied in a buffer free of BSA, sodium azide and glycerol for higher conjugation efficiency. Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. ab226045 is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm. *Maxpar® is a trademark of Fluidigm Canada Inc.* 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. Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been "predicted to work with," however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR1492(2)
Isotype	IgG

Applications

Our Abpromise guarantee covers the use of **ab226045** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 105 kDa (predicted molecular weight: 102 kDa).

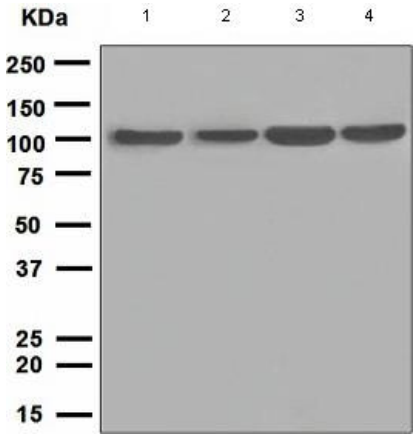
Application notes	Is unsuitable for Flow Cyt,ICC,IHC-P or IP.

Target

Function	Converts transient diacylglycerol (DAG) signals into prolonged physiological effects, downstream

	of PKC. Involved in resistance to oxidative stress through activation of NF-kappa-B.
Sequence similarities	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.
Cellular localization	Cytoplasm. Membrane. Translocation to the cell membrane is required for kinase activation.

Images



Western blot - Anti-PKC mu/PKD antibody [EPR1492(2)] - BSA and Azide free (ab226045)

All lanes : Anti-PKC mu/PKD antibody [EPR1492(2)] (ab108963) at 1/1000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : Jurkat cell lysate

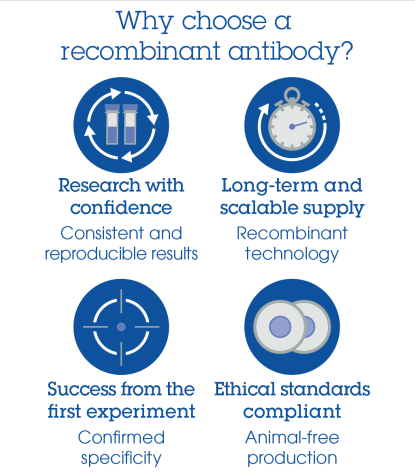
Lane 3 : HepG2 cell lysate

Lane 4 : K562 cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 102 kDa

This data was developed using ab108963, the same antibody clone in a different buffer formulation.



Anti-PKC mu/PKD antibody [EPR1492(2)] - BSA and Azide free (ab226045)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

Terms and conditions

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