abcam

Product datasheet

Anti-PKC mu/PKD (phospho Y463) antibody ab59415

1 Abreviews 3 References 2 Images

Overview

Product name	Anti-PKC mu/PKD (phospho Y463) antibody
Description	Rabbit polyclonal to PKC mu/PKD (phospho Y463)
Host species	Rabbit
Specificity	Detects endogenous levels of PKC µ/PKD only when phosphorylated at tyrosine 463 (corresponding to mouse tyrosine 469 or rat tyrosine 200).
Tested applications	**Suitable for:** WB, IHC-P
Species reactivity	**Reacts with:** Human
Immunogen	Synthetic peptide corresponding to Human PKC mu/PKD aa 400-500 (phospho Y463). Database link: **Q15139**
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. 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, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol, 0.87% Sodium chloride
Purity	Immunogen affinity purified
Purification notes	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab59415 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	★★★★☆ (1)	Use at an assay dependent concentration.
IHC-P		1/50 - 1/100.

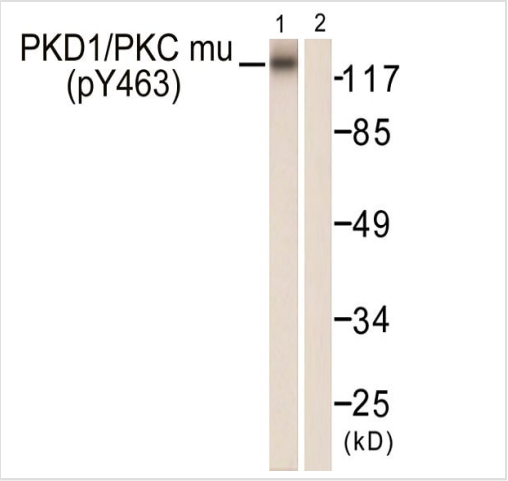
Target

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

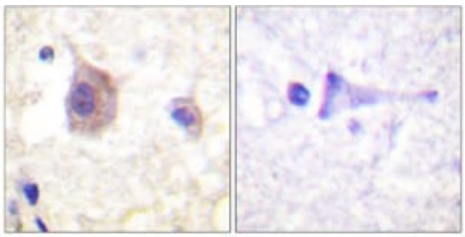


Western blot - Anti-PKC mu/PKD (phospho Y463) antibody (ab59415)

All lanes : Anti-PKC mu/PKD (phospho Y463) antibody (ab59415)

Lane 1 : HepG2 cell lysates

Lane 2 : HepG2 cell lysates with Phospho peptide



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PKC mu/PKD (phospho Y463) antibody (ab59415)

Immunohistochemical analysis of paraffin embedded human brain tissue using ab59415 at 1/50 dilution, in the presence (right) or absence (left) of immunising phosphopeptide.

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