

Anti-PKD2 antibody ab7281

★★★★★ [3 Abreviews](#) [4 References](#)

Overview

Product name	Anti-PKD2 antibody
Description	Rabbit polyclonal to PKD2
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, IHC-P, IP, WB
Species reactivity	Reacts with: Mouse, Human
Immunogen	Synthetic peptide corresponding to Human PKD2 aa 849-864.
General notes	<p>This antibody recognizes human protein kinase D2 (PKD2), a serine threonine protein kinase. PKD2 is widely expressed in human and murine tissues and exhibits strong homology to the serine threonine protein kinases PKD/PKCmicro and PKCnu. In contrast, it has a low degree of sequence homology to other members of the PKC family. PKD2 is activated by phorbol esters and a variety of growth factors.</p> <p>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.</p> <p>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</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.4 Preservative: 0.02% Sodium azide Constituent: PBS
Purity	Immunogen affinity purified
Primary antibody notes	This antibody recognizes human protein kinase D2 (PKD2), a serine threonine protein kinase. PKD2 is widely expressed in human and murine tissues and exhibits strong homology to the serine threonine protein kinases PKD/PKCmicro and PKCnu. In contrast, it has a low degree of

sequence homology to other members of the PKC family. PKD2 is activated by phorbol esters and a variety of growth factors.

Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab7281 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
ICC/IF		Use at an assay dependent concentration.
IHC-P	★★★★★ (1)	Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
WB	★★★★★ (2)	Use at an assay dependent concentration.

Target

Function	Converts transient diacylglycerol (DAG) signals into prolonged physiological effects, downstream of PKC. Involved in resistance to oxidative stress.
Tissue specificity	Widely expressed.
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.
Post-translational modifications	Phosphorylation of Ser-876 correlates with the activation status of the kinase. Ser-706 is probably phosphorylated by PKC.
Cellular localization	Cytoplasm. Membrane. Translocation to the cell membrane is required for kinase activation.

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