



Datasheet for ABIN5539575
anti-PKC mu antibody (AA 233-246)



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2 Images

Overview

Quantity:	100 µg
Target:	PKC mu (PRKD1)
Binding Specificity:	AA 233-246
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This PKC mu antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Purpose:	PRKD1 (aa233-246)
Sequence:	QKSPSEFIG REKR
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Pig, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	PKC mu (PRKD1)
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Target Details

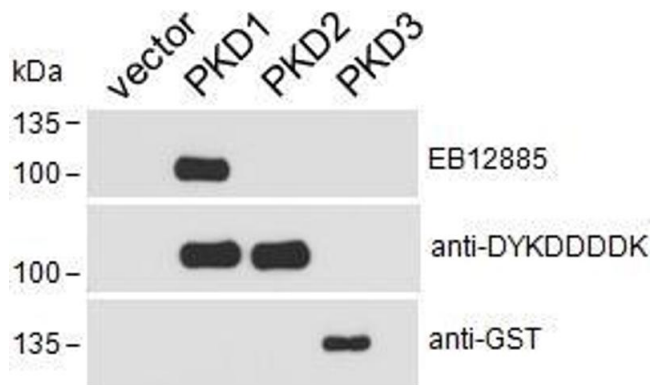
Alternative Name:	PRKD1 (PRKD1 Products)
Background:	PRKD1, PKC-MU, PKCM, PKD, PRKCM,
Gene ID:	5587, 18760, 85421
NCBI Accession:	NP_002733
Pathways:	Myometrial Relaxation and Contraction

Application Details

Application Notes:	<p>Immunohistochemistry: This antibody has been confirmed in human pancreatic adenocarcinoma (PDA) according to Döppler et al, Sci Rep. 2016 Sep 21,6:33758 PMID 27649783.</p> <p>Western Blot: In transfected HEK293 transiently expressing Human PKD1 (DYKDDDDK tagged), a band of approx. 100 kDa is observed. The same band is observed using anti- DYKDDDDK antibody and no bands are observed in cells transiently expressing Human PKD2 or</p> <p>Peptide ELISA: antibody detection limit dilution 1:128000.</p>
Comment:	<p>Immunoprecipitation: PKD1 was immunoprecipitated from Hek293T cells (as above). Immunoprecipitates were analyzed by Western Blot probed with the same antibody.</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.



Western Blotting

Image 1. HEK293 lysate overexpressing Human DYKDDDDK-tagged PKD1, Human DYKDDDDK-tagged PKD2 or Human GST-tagged PKD3 probed with ABIN5539575 (0.1ug/ml) in top panel, probed with anti-DYKDDDDK in middle panel and probed with anti-GST in bottom panel.

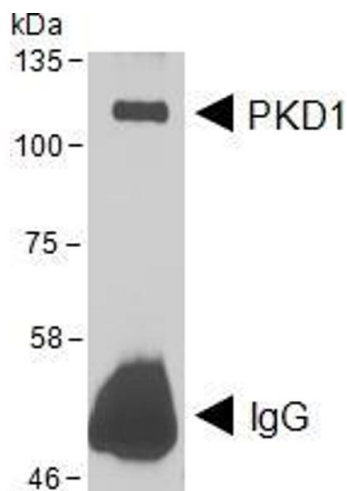


Image 2. HEK293 lysate overexpressing Human DYKDDDDK-tagged PKD1 was used to immunoprecipitate PKD1 with 2ug Antibody. The precipitate was subsequently probed in Western blot using Antibody at 1ug/ml. The secondary anti-goat picks up the heavy chain of Antibody used