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Research Use Only. Not for diagnostic or therapeutic use.

EB12885 - Goat Anti-PRKD1 (aa233-246) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: PRKD1, PKC-MU, PKCM, PKD, PRKCM;

Official Symbol: PRKD1

Accession Number(s): NP_002733.2

Human GeneID(s): 5587

Non-Human GenelD(s): 18760 (mouse), 85421 (rat)

Immunogen

Peptide with sequence C-QKSPSESFIGREKR, from the internal region of the protein sequence according to NP_002733.2.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:128000.

Western blot: In transfected HEK293 transiently expressing Human PKD1 (DYKDDDDK tagged), a band of approx. 100kDa is observed. The same band is observed using anti-DYKDDDDK antibody and no bands are observed in cells transiently expressing Human PKD2 or PKD3. Recommended concentration 0.1-0.3ug/ml

IHC: This antibody has been confirmed in human pancreatic adenocarcinoma (PDA) according to Döppler et al, Sci Rep. 2016 Sep 21;6:33758 PMID 27649783.

Immunoprecipitation: PKD1 was immunoprecipitated from Hek293T cells (as above). Immunoprecipitates were analyzed by Western Blot probed with the same antibody.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat, Pig

Specific Reference

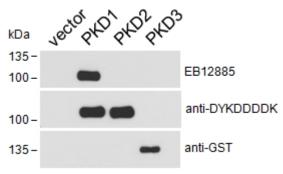
This antibody has been successfully used in the following paper:

Döppler H, Panayiotou R, Reid EM, Maimo W, Bastea L, Storz P.

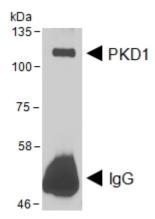
The PRKD1 promoter is a target of the Kras-NF- κB pathway in pancreatic cancer.

Sci Rep. 2016 Sep 21;6:33758.

PMID: 27649783



HEK293 lysate overexpressing Human DYKDDDDK-tagged PKD1, Human DYKDDDDK-tagged PKD2 or Human GST-tagged PKD3 probed with EB12885 (0.1ug/ml) in top panel, probed with anti-DYKDDDDK in middle panel and probed with anti-GST in bottom panel. Data kindly obtained from Dr Peter Storz, Mayo Clinic, USA.



HEK293 lysate overexpressing Human DYKDDDDK-tagged PKD1 was used to immunoprecipitate PKD1 with 2ug EB12885. The precipitate was subsequently probed in Western blot using EB12885 at 1ug/ml. The secondary anti-goat picks up the heavy chain of EB12885 used for the immunoprecipitation (annotated as IgG).

Data kindly obtained from Dr Peter Storz, Mayo Clinic, USA