

Product Name: KD-Validated Protein Kinase C Delta Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA00779

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,IHC-P
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 77.5kDa

Antigen Information

Gene Name	PRKCD PRKCD; Protein Kinase C Delta; Tyrosine-Protein Kinase PRKCD; Protein Kinase C Delta Type;
Alternative Names	EC 2.7.11.13; NPKC-Delta; PKCD; Protein Kinase C Delta VIII; Protein Kinase C, Delta; EC 2.7.10.2; EC 2.7.11; ALPS3; CVID9; MAY1
Gene ID	5580.0
SwissProt ID	Q05655
Immunogen	Recombinant protein of mouse PKC delta

Background

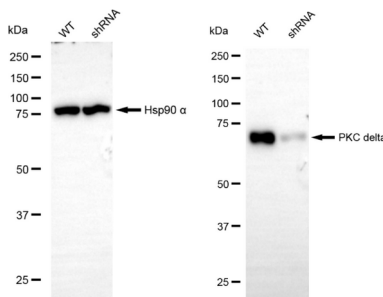
The protein encoded by this gene is a member of the protein kinase C family of serine- and threonine-specific protein kinases.

The encoded protein is activated by diacylglycerol and is both a tumor suppressor and a positive regulator of cell cycle progression. Also, this protein can positively or negatively regulate apoptosis. Defects in this gene are a cause of autoimmune lymphoproliferative syndrome. [provided by RefSeq, Aug 2017]

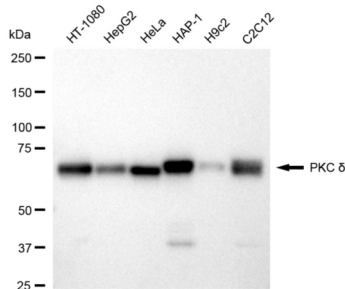
Research Area

Signal Transduction, Neuroscience, Cancer

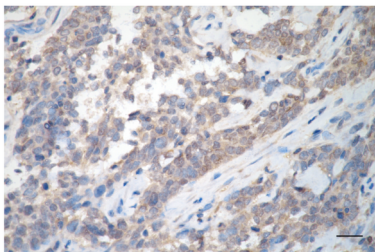
Image Data



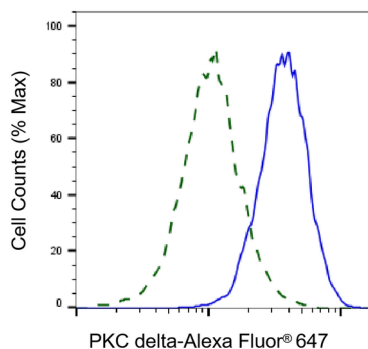
Western blotting analysis using PKC delta antibody (KVA00779). PKC delta expression in wild-type (WT) and protein kinase C delta (PRKCD) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with PKC delta antibody (KVA00779, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



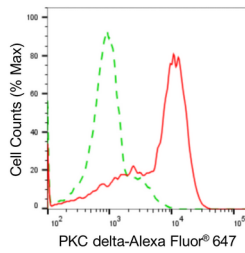
Western blotting analysis using PKC delta antibody (KVA00779). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with PKC delta antibody (KVA00779, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunohistochemistry was performed on paraffin-embedded human breast carcinoma using PKC delta antibody (KVA00779, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



Validation of PKC delta knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HeLa cells were stained with PKC delta antibody (KVA00779, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of PKC delta expression in HAP-1 cells using PKC delta antibody (KVAb00779, 1:2,000). Green, isotype control; red, PKC delta.