

Product Name: KD-Validated PKC Delta Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA01489

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,M
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; ICC 1:100-1:1,000
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	A synthesized peptide derived from human PKC delta

Background

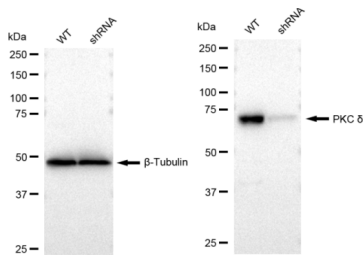
The protein encoded by this gene is a member of the protein kinase C family of serine- and threonine-specific protein kinases. The encoded protein is activated by diacylglycerol and is both a tumor suppressor and a positive regulator of cell cycle

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]

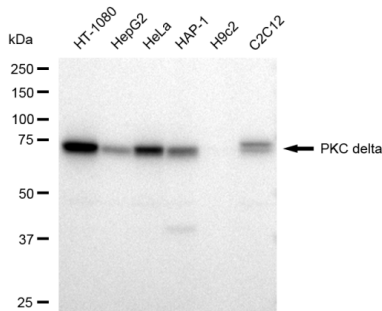
Research Area

Signal Transduction, Neuroscience, Cancer

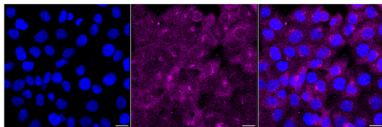
Image Data



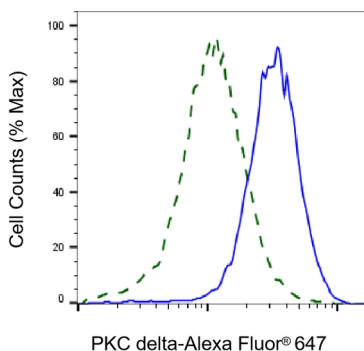
Western blotting analysis using PKC delta antibody (KVA01489). PKC delta expression in wild type (WT) and PKC delta shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with PKC delta antibody (KVA01489, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



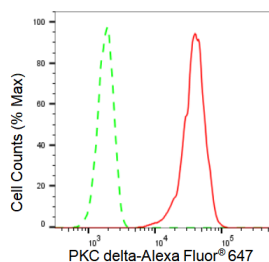
Western blotting analysis using PKC delta antibody (KVA01489). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with PKC delta antibody (KVA01489, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HT-1080 cells with PKC delta antibody (KVA01489, 1:1,000). Nuclei were stained blue with DAPI; PKC delta was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 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 (KVA01489, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of PKC delta expression in HT-1080 cells using PKC delta antibody (KVA01489, 1:2,000). Green, isotype control; red, PKC delta.

