Anti-Phospho-PKC delta (Tyr311) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R015951

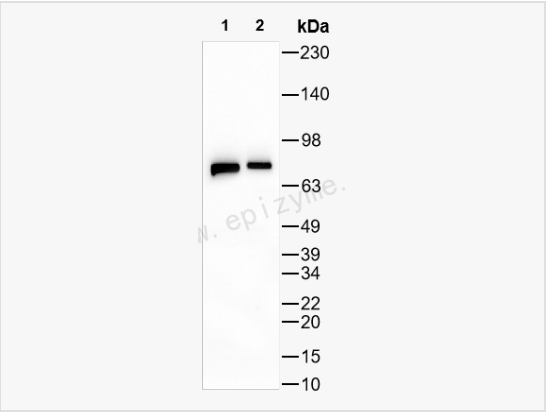
Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	40P03Q48
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Phospho-PKC delta (Y311)
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-PKC delta (Tyr311) Rabbit mAb [40P03Q48] is for research use only and not for use in diagnostic or therapeutic procedures.

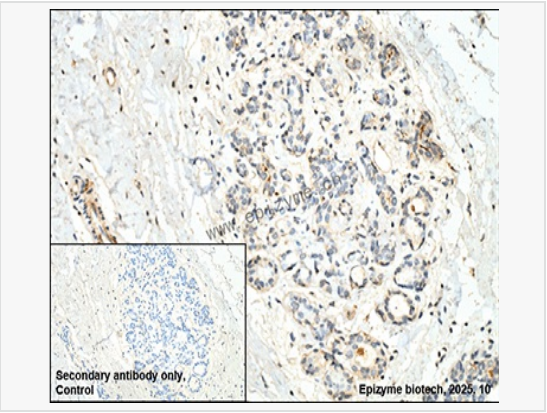
Protein Information

Synonyms	PKCD; PRKCD; Protein kinase C delta type; Tyrosine-protein kinase PRKCD; nPKC-delta.
Calculated MW	Calculated MW: 78 kDa; Observed MW: 78 kDa
Uniprot ID	Q05655
Gene ID	5580
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]
Cellular Location	Cytoplasm Cytoplasm Perinuclear region Nucleus Cell membrane Peripheral membrane protein Mitochondrion Endomembrane system Translocates to the mitochondria upon apoptotic stimulation. Upon activation, translocates to the plasma membrane followed by partial location to the endolysosomes (PubMed:17303575)

Validation Images



Western Blot - Anti-Phospho-PKC delta (Tyr311) Rabbit mAb [40P03Q48]
All lanes: R015951 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: THP-1 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 78 kDa
Observed band size: 78 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-Phospho-PKC delta (Tyr311) Rabbit mAb [40P03Q48]
Sample: Paraformaldehyde-fixed, paraffin embedded human breast cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R015951 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.