

Rabbit PRKCH Polyclonal Antibody | anti-PRKCH antibody

PRKCH Antibody

CATALOG # AAA311845	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry
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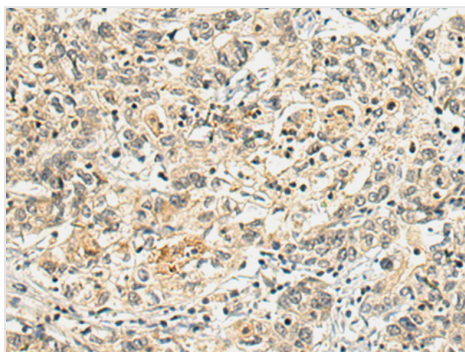
PRODUCT SYNONYMS

PRKCH; Polyclonal Antibody; PRKCH Antibody; PKCL; PKC-L; PRKCL; nPKC-eta; anti-PRKCH antibody

PRODUCT SPECIFICATIONS

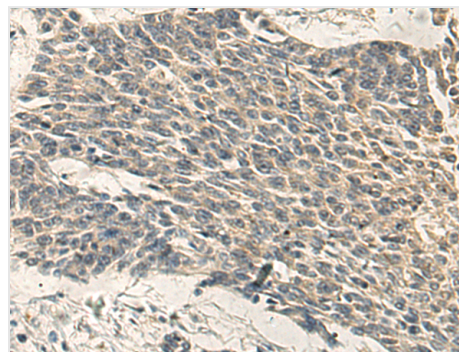
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Antigen affinity purification
Form/Format	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration	0.8mg/mL (varies by lot)
Applicable Applications for anti-PRKCH antibody	IHC (Immunohistochemistry)
Immunogen	Synthetic peptide of human PRKCH
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C for 1 year.

IMAGES



IHC (Immunohistochemistry)

The image is immunohistochemistry of paraffin-embedded Human gastric cancer using (PRKCH Antibody) at dilution 1/35.



IHC (Immunohistochemistry)

The image is immunohistochemistry of paraffin-embedded Human colorectal cancer using (PRKCH Antibody) at dilution 1/35.

ADDITIONAL INFORMATION

Related Product Information for anti-PRKCH antibody	Calcium-independent, phospholipid- and diacylglycerol (DAG)-dependent serine/threonine-protein kinase that is involved in the regulation of cell differentiation in keratinocytes and pre-B cell receptor, mediates regulation of epithelial tight junction integrity and foam cell formation, and is required for glioblastoma proliferation and apoptosis prevention in MCF-7 cells. In keratinocytes, binds and activates the tyrosine kinase FYN, which in turn blocks epidermal growth factor receptor (EGFR) signaling and leads to keratinocyte growth arrest and differentiation. Associates with the cyclin CCNE1-CDK2-CDKN1B complex and inhibits CDK2 kinase activity, leading to RB1 dephosphorylation and thereby G1 arrest in keratinocytes. In association with RALA activates actin depolymerization, which is necessary for keratinocyte differentiation. In the pre-B cell receptor signaling, functions downstream of BLNK by up-regulating IRF4, which in turn activates L chain gene rearrangement. Regulates epithelial tight junctions (TJs) by phosphorylating occludin (OCLN) on threonine residues, which is necessary for the assembly and maintenance of TJs. In association with PLD2 and via TLR4 signaling, is involved in lipopolysaccharide (LPS)-induced RGS2 down-regulation and foam cell formation. Upon PMA stimulation, mediates glioblastoma cell proliferation by activating the mTOR pathway, the PI3K/AKT pathway and the ERK1-dependent phosphorylation of ELK1. Involved in the protection of glioblastoma cells from irradiation-induced apoptosis by preventing caspase-9 activation. In camptothecin-treated MCF-7 cells, regulates NF-kappa-B upstream signaling by activating IKBKB, and confers protection against DNA damage-induced apoptosis. Promotes oncogenic functions of ATF2 in the nucleus while blocking its apoptotic function at mitochondria. Phosphorylates ATF2 which promotes its nuclear retention and transcriptional activity and negatively regulates its mitochondrial localization.
Product Categories/Family for anti-PRKCH antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	28557781
NCBI GeneID	5583
NCBI Accession #	NP_006246
NCBI GenBank Nucleotide #	NM_006255.4
UniProt Accession #	O75541; Q16246; Q8NE03; B4DJN5; P24723
Molecular Weight	59,521 Da
NCBI Official Full Name	protein kinase C eta type
NCBI Official Synonym Full Names	protein kinase C eta
NCBI Official Symbol	PRKCH
NCBI Official Synonym Symbols	PKCL; PKC-L; PRKCL; nPKC-eta
NCBI Protein Information	protein kinase C eta type
UniProt Protein Name	Zinc finger protein 821
UniProt Gene Name	ZNF821
UniProt Entry Name	ZN821_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/prkch-antibody-immunohistochemistry-elisa/311845>