

Rabbit anti-Human PRKCH Polyclonal Antibody | anti-PRKCH antibody

PRKCH Antibody

CATALOG # AAA229557	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA
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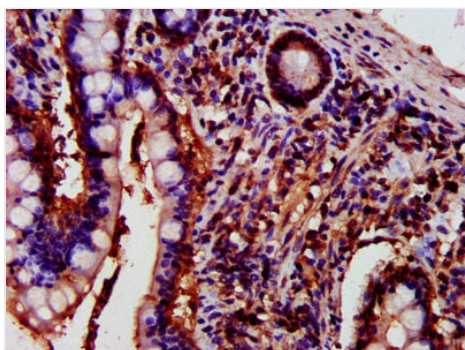
PRODUCT SYNONYMS

PRKCH; Polyclonal Antibody; PRKCH Antibody; Protein kinase C eta type; PKC-L; nPKC-eta; PKCL; PRKCL; anti-PRKCH antibody

PRODUCT SPECIFICATIONS

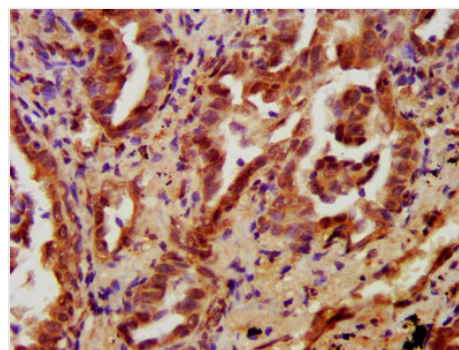
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%,Protein G purified
Form/Format	Liquid
Sequence Length	683
Applicable Applications for anti-PRKCH antibody	ELISA
Immunogen	Recombinant human Protein kinase C eta type protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-215
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

IMAGES



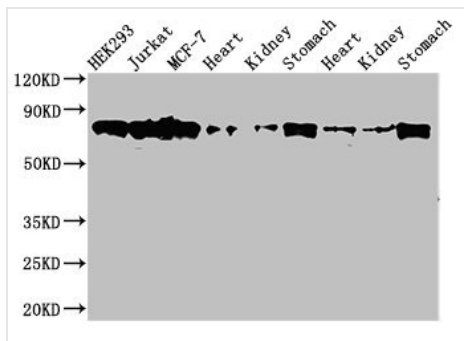
IHC (Immunohistochemisry)

IHC image of AAA229557 diluted at 1:700 and staining in paraffin-embedded human small intestine tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC (Immunohiostchemistry)

IHC image of AAA229557 diluted at 1:700 and staining in paraffin-embedded human lung cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



WB (Western Blot)

Western Blot Positive WB detected in: HEK293 whole cell lysate, Jurkat whole cell lysate, MCF-7 whole cell lysate, Rat heart tissue, Rat kidney tissue, Rat stomach tissue, Mouse heart tissue, Mouse kidney tissue, Mouse stomach tissue. All lanes: PRKCH antibody at 3.5 µg/ml. Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 78, 60 kDa. Observed band size: 78 kDa.

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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	28557781
NCBI GeneID	5583
NCBI Accession #	NP_006246.2
NCBI GenBank Nucleotide #	NM_006255.4
UniProt Accession #	P24723 ; Q16246 ; Q8NE03 ; B4DJN5
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	Protein kinase C eta type

UniProt Gene Name	PRKCH
UniProt Synonym Gene Names	PKCL; PRKCL
UniProt Entry Name	KPCL_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://stage.aaabiotech.com/polyclonal/prkch-antibody-elisa/229557>