

Rabbit anti-Human, Mouse PKC beta Polyclonal Antibody | anti-PRKCB antibody

PKC beta Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA29929	Rabbit	Human, Mouse	Western Blot, Immunocytochemistry, Immunohistochemistry

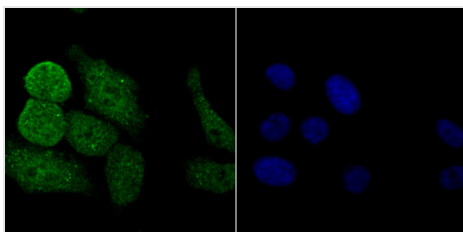
PRODUCT SYNONYMS

PKC beta; Polyclonal Antibody; PKC beta Antibody; KPCB_HUMAN antibody; PKC beta antibody; PKC-B antibody; PKC-beta antibody; PKCB antibody; Prkcb antibody; PRKCB I antibody; PRKCB1 antibody; PRKCB2 antibody; Protein kinase C beta antibody; Protein kinase C beta type antibody; protein kinase C; beta 1 polypeptide antibody; beta-1 antibody; anti-PRKCB antibody

PRODUCT SPECIFICATIONS

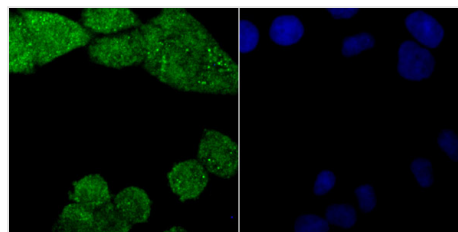
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Protein affinity purified
Form/Format	1*TBS (pH7.4), 0.5%BSA, 50%Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-PRKCB antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Application Notes	WB: 1:500 IHC: 1:50-1:200 ICC: 1:50-1:200
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



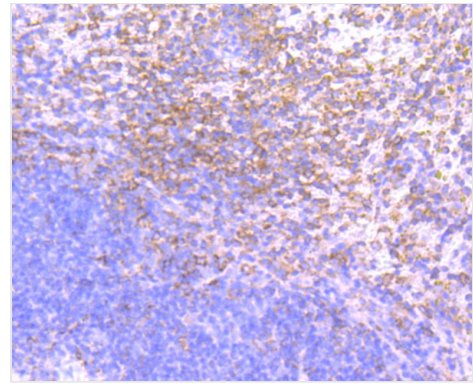
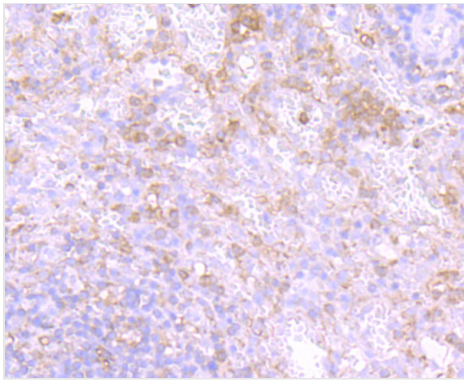
ICC (Immunocytochemistry)

ICC staining PKC beta 2 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



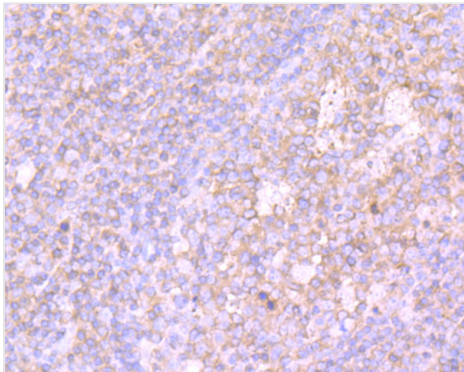
ICC (Immunocytochemistry)

ICC staining PKC beta 2 in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

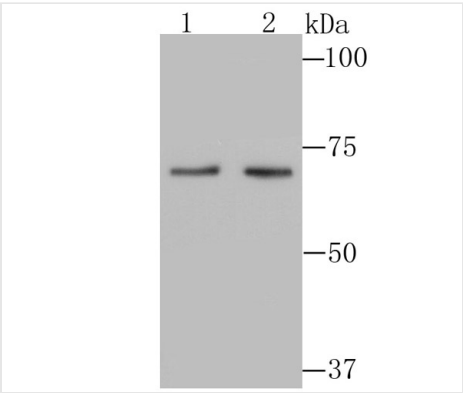


IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-PKC beta 2 antibody. Counter stained with hematoxylin.

IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded mouse spleen tissue using anti-PKC beta 2 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-PKC beta 2 antibody. Counter stained with hematoxylin.



WB (Western Blot)
Western blot analysis of PKC beta 2 on different lysates using anti-PKC beta 2 antibody at 1/500 dilution. Positive control $1/2 \times 1/2$ Lane1: Rat spleen tissue Lane2: Jurkat

ADDITIONAL INFORMATION

Related Product Information for anti-PRKCB antibody	Calcium-activated, phospholipid- and diacylglycerol (DAG)-dependent serine/threonine-protein kinase involved in various cellular processes such as regulation of the B-cell receptor (BCR) signalosome, oxidative stress-induced apoptosis, androgen receptor-dependent transcription regulation, insulin signaling and endothelial cells proliferation. Plays a key role in B-cell activation by regulating BCR-induced NF-kappa-B activation. Mediates the activation of the canonical NF-kappa-B pathway (NFKB1) by direct phosphorylation of CARD11/CARMA1 at 'Ser-559', 'Ser-644' and 'Ser-652'. Phosphorylation induces CARD11/CARMA1 association with lipid rafts and recruitment of the BCL10-MALT1 complex as well as MAP3K7/TAK1, which then activates IKK complex, resulting in nuclear translocation and activation of NFKB1. In endothelial cells, activation of PRKCB induces increased phosphorylation of RB1, increased VEGFA-induced cell proliferation, and inhibits PI3K/AKT-dependent nitric oxide synthase (NOS3/eNOS) regulation by insulin, which causes endothelial dysfunction. Also involved in triglyceride homeostasis (By similarity). Phosphorylates ATF2 which promotes cooperation between ATF2 and JUN, activating transcription.
Product Categories/Family for anti-PRKCB antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	20127450
NCBI GeneID	5579
NCBI Accession #	NP_002729.2
NCBI GenBank Nucleotide #	NM_002738.6
UniProt Accession #	P05771; O43744; P05127; Q15138; Q93060; Q9UE49; Q9UE50; Q9UEH8; Q9UJ30; Q9UJ33; C5IFJ8; D3DWF5
Molecular Weight	76,869 Da

NCBI Official Full Name	protein kinase C beta type isoform 2
NCBI Official Synonym Full Names	protein kinase C, beta
NCBI Official Symbol	PRKCB
NCBI Official Synonym Symbols	PKCB; PRKCB1; PRKCB2; PKC-beta
NCBI Protein Information	protein kinase C beta type; PKC-B; protein kinase C, beta 1 polypeptide
UniProt Protein Name	Protein kinase C beta type
UniProt Gene Name	PRKCB
UniProt Synonym Gene Names	PKCB; PRKCB1; PKC-B; PKC-beta
UniProt Entry Name	KPCB_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/pkc-beta-antibody-western-blot-immunocytochemistry-immunohistochemistry-elisa/29929>