

Rabbit PKC beta 1 Polyclonal Antibody | anti-PKC beta 1 antibody

Anti-PKC beta 1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46289	Rabbit	Human, Mouse, Rat	Western Blot

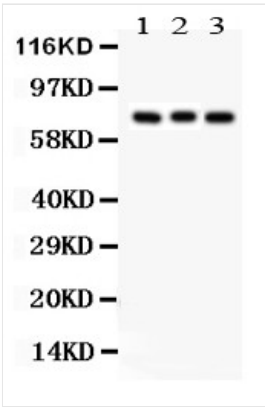
PRODUCT SYNONYMS

PKC beta 1; Polyclonal Antibody; Anti-PKC beta 1 Antibody; Protein kinase C beta type ; KPCB_HUMAN; MGC41878; PKC B; PKC beta; PKC-B; PKC-beta; PKCB; PRKC B; PRKC B1; PRKCB; PRKCB I; PRKCB1; PRKCB2; Protein kinase C beta 1; Protein kinase C beta; Protein kinase C beta type; protein kinase C; beta 1 polypeptide; beta-1; beta; anti-PKC beta 1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	673
Applicable Applications for anti-PKC beta 1 antibody	WB (Western Blot)
Immunogen	E Coli-derived human PKC beta 1 recombinant protein (Position: E542-V671). Human PKC beta 1 shares 100% amino acid (aa) sequence identity with both mouse and rat PKC beta 1.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃
Relevant Detection Systems	The lab recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG () for Western blot.
Preparation and Storage	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquoted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)
Anti- PKC beta 1 Picoband antibody, AAA46289, Western blottingAll lanes: Anti PKC beta 1 (AAA46289) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: Mouse Brain Tissue Lysate at 50ugLane 3: COLO320 Whole Cell Lysate at 40ugPredicted bind size: 77KDObserved bind size: 77KD

ADDITIONAL INFORMATION

Related Product Information for anti-PKC beta 1 antibody	Protein kinase C beta type is an enzyme that in humans is encoded by the PRKCB gene. It is a member of the protein kinase C (PKC) gene family. PKC family members phosphorylate a wide variety of protein targets and are known to be involved in diverse cellular signaling pathways. PKC family members also serve as major receptors for phorbol esters, a class of tumor promoters. This protein kinase has been reported to be involved in many different cellular functions, such as B cell activation, apoptosis induction, endothelial cell proliferation, and intestinal sugar absorption. It has been found that PRKCB activated by oxidative conditions in the cell, induces phosphorylation of p66(SHC) and triggers mitochondrial accumulation of the protein after it is recognized by the prolyl isomerase PIN1.
References	1. "Entrez Gene: PRKCB1 protein kinase C, beta 1" 2. Pinton, P., Rimessi, A., Marchi, S., Orsini, F., Migliaccio, E., Giorgio, M., Contursi, C., Minucci, S., Mantovani, F., Wieckowski, M. R., Del Sal, G., Pelicci, P. G., Rizzuto, R. Protein kinase C-beta and prolyl isomerase 1 regulate mitochondrial effects of the life-span determinant p66(Shc)Science 315: 659-663, 2007.

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
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
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pkc-beta-1-antibody-western-blot-elisa/46289>