

Rabbit PKC beta2 Polyclonal Antibody | anti-PKC beta2 antibody

PKC beta2 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286631	Rabbit	Human, mouse, rat, monkey	Immunohistochemistry, ELISA, Western Blot

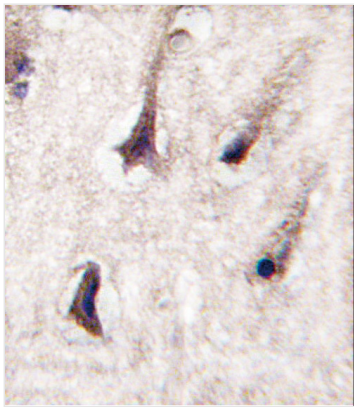
PRODUCT SYNONYMS

PKC beta2; Polyclonal Antibody; PKC beta2 Antibody (C-term); PRKCB; PKCB; PRKCB1; Protein kinase C beta type; anti-PKC beta2 antibody

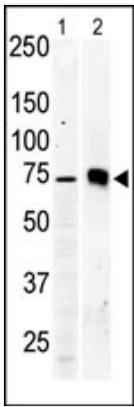
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse, rat, monkey
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PKC beta2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 642-673 amino acids from the C-terminal region of human PKC beta2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 1.93 (varies by lot)
Sequence Positions	642-673
Sequence Length	673
Applicable Applications for anti-PKC beta2 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human brain tissue reacted with PKC beta2 antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
The anti-PKC beta2 Pab is used in Western blot to detect PKC beta2 in Jurkat cell lysate (lane 1) and mouse brain tissue lysate (lane 2).

ADDITIONAL INFORMATION

Related Product Information for anti-PKC beta2 antibody	Protein kinase C (PKC) is a family of serine- and threonine-specific protein kinases that can be activated by calcium and second messenger diacylglycerol. 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. Each member of the PKC family has a specific expression profile and is believed to play a distinct role in cells. PKC beta is one of the PKC family members. 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. Studies in mice also suggest that this kinase may also regulate neuronal functions and correlate fear-induced conflict behavior after stress. Alternatively spliced transcript variants encoding distinct isoforms have been reported. Isoform 1 uses an alternate exon at the 3' end compared to isoform 2, which includes a part of the coding region. The resulting isoform 1 has a distinct and shorter C-terminus, as compared to isoform 2.
References	Chen, D., et al., J. Biol. Chem. 279(6):4829-4839 (2004). Hug, B.A., et al., J. Biol. Chem. 279(2):825-830 (2004). Wu, H., et al., Biochem. Biophys. Res. Commun. 311(4):948-953 (2003). Becker, K.P., et al., J. Biol. Chem. 278(52):52747-52754 (2003). Birikh, K.R., et al., Proc. Natl. Acad. Sci. U.S.A. 100(1):283-288 (2003).

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	77,012 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

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://www.aaabiotech.com/polyclonal/pkc-beta2-antibody-immunohistochemistry-western-blot-elisa/286631>