

Rabbit Prkcb Polyclonal Antibody | anti-Prkcb antibody

Mouse Prkcb Antibody (N-term)

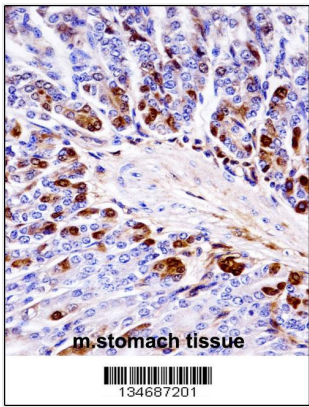
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285517	Rabbit	Mouse (Predicted Reactivity: Bovine, Human, Rat)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

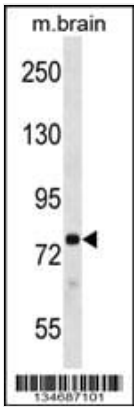
Prkcb; Polyclonal Antibody; Mouse Prkcb Antibody (N-term); Protein kinase C beta type; PKC-B; PKC-beta; Pkcb; Prkcb1; anti-Prkcb antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse (Predicted Reactivity: Bovine, Human, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Mouse Prkcb antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of mouse Prkcb.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.45 (varies by lot)
Sequence Positions	1-30
Sequence Length	673
Applicable Applications for anti-Prkcb antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	MOUSE
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.



IHC (Immunohistochemistry)
Mouse Prkcb Antibody (N-term) (AAA285517) immunohistochemistry analysis in formalin fixed and paraffin embedded mouse stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of Mouse Prkcb Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Mouse Prkcb Antibody (N-term) western blot analysis in mouse brain tissue lysates (35ug/lane). This demonstrates the Prkcb antibody detected the Prkcb protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-Prkcb antibody	Calcium-activated and phospholipid-dependent serine/threonine-protein kinase involved in various processes such as regulation of the B-cell receptor (BCR) signalosome, apoptosis and transcription regulation. Plays a key role in B-cell activation and function by regulating BCR-induced NF-kappa-B activation and B-cell survival. Required for recruitment and activation of the IKK kinase to lipid rafts and mediates phosphorylation of CARD11/CARMA1 at 'Ser-564', 'Ser-649' and 'Ser-657', leading to activate the NF-kappa-B signaling. Involved in apoptosis following oxidative damage: in case of oxidative conditions, specifically phosphorylates 'Ser-36' of isoform p66Shc of SHC1, leading to mitochondrial accumulation of p66Shc, where p66Shc acts as a reactive oxygen species producer. Acts as a coactivator of androgen receptor (ANDR)-dependent transcription, by being recruited to ANDR target genes and specifically mediating phosphorylation of 'Thr-6' of histone H3 (H3T6ph), a specific tag for epigenetic transcriptional activation that prevents demethylation of histone H3 'Lys-4' (H3K4me) by LSD1/KDM1A. Also involved in triglyceride homeostasis. Serves as the receptor for phorbol esters, a class of tumor promoters.
Product Categories/Family for anti-Prkcb antibody	Signal Transduction
References	Yamamoto, T., et al. J. Lipid Res. 51(7):1859-1870(2010) Deng, P.Y., et al. J. Neurosci. 30(15):5136-5148(2010) Hennige, A.M., et al. J. Cell. Mol. Med. 14(4):903-913(2010) Kim, Y.A., et al. Neurosci. Lett. 468(3):254-258(2010) Kleiman, E., et al. Biochem. Biophys. Res. Commun. 388(3):554-559(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	6679345
NCBI GeneID	18751
NCBI Accession #	NP_032881.1
NCBI GenBank Nucleotide #	NM_008855.2
UniProt Accession #	P68404; P04410; P04411; A0JNZ5; F2Z441
Molecular Weight	76751
NCBI Official Full Name	protein kinase C beta type
NCBI Official Synonym Full Names	protein kinase C, beta
NCBI Official Symbol	Prkcb

NCBI Official Synonym Symbols	Pkcb; Prkcb1; Prkcb2; PKC-Beta; A130082F03Rik
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_MOUSE

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/prkcb-antibody-immunohistochemistry-western-blot-elisa/285517>