

Rabbit anti-Human PI3KCB Polyclonal Antibody | anti-PIK3CB antibody

PI3KCB Antibody (C-term)

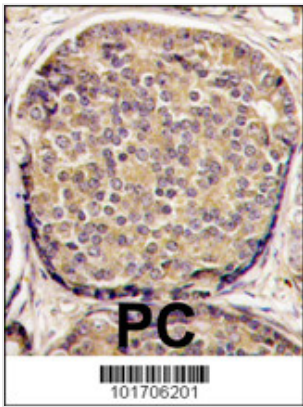
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286959	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

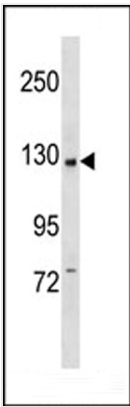
PI3KCB; Polyclonal Antibody; PI3KCB Antibody (C-term); Phosphatidylinositol 4; 5-bisphosphate 3-kinase catalytic subunit beta isoform; PI3-kinase subunit beta; PI3K-beta; PI3Kbeta; PtdIns-3-kinase subunit beta; 5-bisphosphate 3-kinase 110 kDa catalytic subunit beta; PtdIns-3-kinase subunit p110-beta; p110beta; PIK3CB; PIK3C1; anti-PIK3CB antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PI3KCB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 713-744 amino acids from the C-terminal region of human PI3KCB.
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: 2 (varies by lot)
Sequence Positions	713-744
Sequence Length	1070
Applicable Applications for anti-PIK3CB 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.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human prostata carcinoma tissue reacted with PI3KCB 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)
PI3KCB Antibody (C-term K727) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the PI3KCB antibody detected the PI3KCB protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PIK3CB antibody	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the g phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains.
Product Categories/Family for anti-PIK3CB antibody	Cancer; Cell Biology; Immunology; Signal Transduction
References	Brock, C., et al., J. Cell Biol. 160(1):89-99 (2003). Kossila, M., et al., Diabetes Care 26(1):179-182 (2003). Yart, A., et al., J. Biol. Chem. 277(24):21167-21178 (2002). Ueki, K., et al., Proc. Natl. Acad. Sci. U.S.A. 99(1):419-424 (2002). Sotsios, Y., et al., J. Immunol. 163(11):5954-5963 (1999).

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453894
NCBI GeneID	5291
NCBI Accession #	NP_006210.1
NCBI GenBank Nucleotide #	NM_006219.2
UniProt Accession #	P42338; Q24JU2; D3DNF0
Molecular Weight	122762
NCBI Official Full Name	phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit beta isoform isoform 1
NCBI Official Synonym Full Names	phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit beta
NCBI Official Symbol	PIK3CB
NCBI Official Synonym Symbols	PI3K; PIK3C1; P110BETA; PI3KBETA
NCBI Protein Information	phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit beta isoform
UniProt Protein Name	Phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit beta isoform

UniProt Gene Name	PIK3CB
UniProt Synonym Gene Names	PIK3C1; PI3-kinase subunit beta; PI3K-beta; PI3Kbeta; PtdIns-3-kinase subunit beta; PtdIns-3-kinase subunit p110-beta; p110beta
UniProt Entry Name	PK3CB_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/pi3kcb-antibody-immunohistochemistry-western-blot-elisa/286959>