

Rabbit PI4KCB Polyclonal Antibody | anti-PI4KB antibody

PI4KCB Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287398	Rabbit	Human (Predicted Reactivity: Bovine, Mouse, Rat)	Immunohistochemistry, ELISA, Western Blot

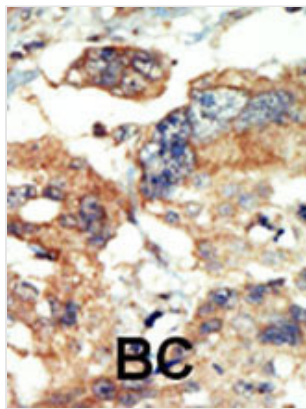
PRODUCT SYNONYMS

PI4KCB; Polyclonal Antibody; PI4KCB Antibody (N-term); Phosphatidylinositol 4-kinase beta; PI4K-beta; PI4Kbeta; PtdIns 4-kinase beta; NPIK; PI4K92; PI4KB; PIK4CB; anti-PI4KB antibody

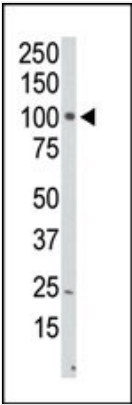
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PI4KCB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 20-51 amino acids from the N-terminal region of human PI4KCB.
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: 1.64 (varies by lot)
Sequence Positions	20-51
Sequence Length	484
Applicable Applications for anti-PI4KB 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 (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
Western blot analysis of anti-PI4KCB Pab in A375 cell lysate. PI4KCB (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-PI4KB antibody	Phosphoinositides are pivotal precursors to important second messengers and as signaling and molecules. Phosphatidylinositol 4-kinases (PI4Ks) are are crucial regulators of the phosphoinositide cascade. PI4KCB is a wortmannin-sensitive PI 4-kinase responsible for regulating the synthesis of agonist-sensitive pools of polyphosphoinositides. The cellular reservoir of PI4KCB is predominantly cytosolic, however the protein is activated strongly by recruitment to the membrane to stimulate phosphatidylinositol 4,5-bisphosphate synthesis at the plasma membrane. PI4KCB contains an N-terminal lipid kinase unique domain, which is shared by members of both the PI3 kinase and PI4 kinase families, and a C-terminal catalytic domain, which defines this protein as a member of a much larger protein/lipid kinase family.
Product Categories/Family for anti-PI4KB antibody	Metabolism; Signal Transduction
References	Wei, Y.J., et al., J. Biol. Chem. 277(48):46586-46593 (2002). Balla, A., et al., J. Biol. Chem. 277(22):20041-20050 (2002). Sorensen, S.D., et al., Mol. Pharmacol. 53(5):827-836 (1998). Saito, T., et al., DNA Res. 4(4):301-305 (1997). Suzuki, K., et al., DNA Res. 4(4):273-280 (1997).

NCBI AND UNIPROT INFORMATION

NCBI GI #	311771621
NCBI GeneID	5298
NCBI Accession #	NP_001185702.1; NP_001185703.1; NP_001185704.1; NP_002642.1
NCBI GenBank Nucleotide #	NM_001198773.1
UniProt Accession #	Q9UBF8; O15096; P78405; Q5VWB9; Q5VWC0; Q5VWC1; Q9BWR6; B4DGI2
Molecular Weight	91379
NCBI Official Full Name	phosphatidylinositol 4-kinase beta isoform 2
NCBI Official Synonym Full Names	phosphatidylinositol 4-kinase, catalytic, beta
NCBI Official Symbol	PI4KB
NCBI Official Synonym Symbols	NPIK; PI4K92; PIK4CB; PI4KBETA; PI4K-BETA; PI4KIIIBETA
NCBI Protein Information	phosphatidylinositol 4-kinase beta

UniProt Protein Name	Phosphatidylinositol 4-kinase beta
UniProt Gene Name	PI4KB
UniProt Synonym Gene Names	PIK4CB; PI4K-beta; PI4Kbeta; PtdIns 4-kinase beta
UniProt Entry Name	PI4KB_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/pi4kcb-antibody-immunohistochemistry-western-blot-elisa/287398>