

Rabbit anti-Human, Mouse PIK3C2B Polyclonal Antibody | anti-PIK3C2B antibody

PIK3C2B Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323512	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

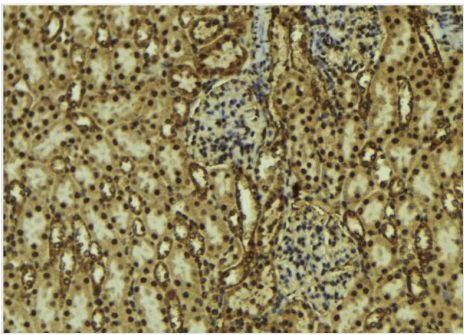
PRODUCT SYNONYMS

PIK3C2B; Polyclonal Antibody; PIK3C2B Antibody; C2 PI3K; phosphatidylinositol 3-kinase C2 domain-containing beta polypeptide; phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit beta; phosphatidylinositol-4-phosphate 3-kinase; catalytic subunit type 2 beta; Phosphoinositide 3 Kinase C2 beta; Phosphoinositide 3-Kinase class 2; beta; phosphoinositide-3-kinase; class 2; beta polypeptide; PI3K C2beta; PtdIns 3 kinase C2 beta; PTDINS-3-kinase C2 beta; ptdIns-3-kinase C2 subunit beta; anti-PIK3C2B antibody

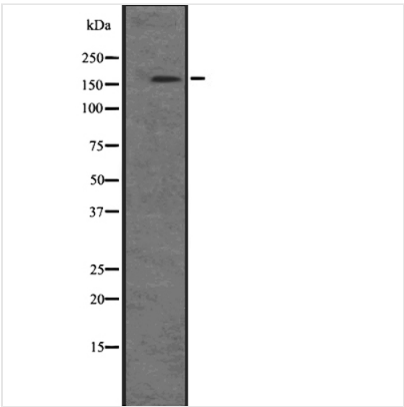
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	PIK3C2B antibody detects endogenous levels of total PIK3C2B
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1634
Applicable Applications for anti-PIK3C2B antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Microsome. Cell Membrane. Cytoplasm, Cytosol. Nucleus. Note=Found mostly in the microsome, but also in the plasma membrane and cytosol. Nuclear in testis.
Tissue Specificity	Expressed in columnar and transitional epithelia, mononuclear cells, and ganglion cells (at protein level). Widely expressed, with highest levels in thymus and placenta and lowest in peripheral blood, skeletal muscle and kidney.
Predicted Cross Reactivity	Pig, Horse, Sheep, Rabbit, Dog
Similarity	Pig (82%), Horse (82%), Sheep (80%), Rabbit (91%), Dog (82%)
Conjugation	Unconjugated

IMAGES



IHC (Immunohistochemistry)
AAA323512 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of PIK3C2B expression in A-431 cell lysate at 25ug/lane., The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PIK3C2B antibody	Function: Phosphorylates PtdIns and PtdIns4P with a preference for PtdIns. Does not phosphorylate PtdIns(4, 5)P2. May be involved in EGF and PDGF signaling cascades. Subunit Structure: Part of a complex with ERBB2 and EGFR. Part of a complex with phosphorylated EGFR and GRB2. Interacts with phosphorylated EGFR and PDGFR, maybe indirectly. Interacts with GRB2 and SHC1. Similarity: Belongs to the PI3/PI4-kinase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	194097347
NCBI GeneID	5287
NCBI Accession #	NP_002637.3
NCBI GenBank Nucleotide #	NM_002646.3
UniProt Accession #	O00750; O95666; Q5SW99
Molecular Weight	Observed: 185 kDa Predicted: 185 kDa
NCBI Official Full Name	phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit beta
NCBI Official Synonym Full Names	phosphatidylinositol-4-phosphate 3-kinase catalytic subunit type 2 beta
NCBI Official Symbol	PIK3C2B
NCBI Official Synonym Symbols	C2-PI3K
NCBI Protein Information	phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit beta
UniProt Protein Name	Phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit beta
UniProt Gene Name	PIK3C2B
UniProt Synonym Gene Names	PI3K-C2-beta; PtdIns-3-kinase C2 subunit beta

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.