

Rabbit anti-Human PI3KC2G Polyclonal Antibody | anti-PIK3C2G antibody

PI3KC2G Antibody (N-term)

CATALOG # AAA286050	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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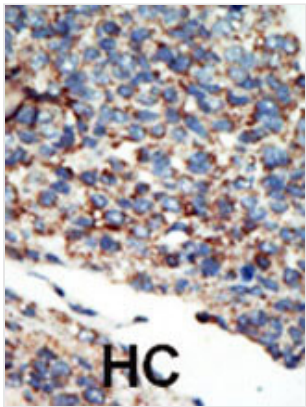
PRODUCT SYNONYMS

PI3KC2G; Polyclonal Antibody; PI3KC2G Antibody (N-term); Phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit gamma; PI3K-C2-gamma; PtdIns-3-kinase C2 subunit gamma; Phosphoinositide 3-kinase-C2-gamma; PIK3C2G; anti-PIK3C2G antibody

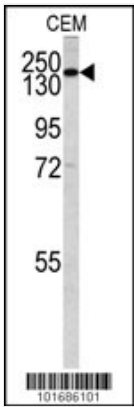
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PI3KC2G antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 93-123 amino acids from the N-terminal region of human PI3KC2G.
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.
Sequence Positions	93-123
Sequence Length	1445
Applicable Applications for anti-PIK3C2G antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Function	Generates phosphatidylinositol 3-phosphate(PtdIns3P) and phosphatidylinositol3,4-bisphosphate (PtdIns(3,4)P2) that act as second messengers. May play a role in SDF1A-stimulated chemotaxis (By similarity).
Cellular Location	Membrane; Peripheral membrane protein.
Tissue Location	Highly expressed in liver, prostate and testis. Lower levels in small intestine, kidney and pancreas. Involved in cell transformation, cell survival, cell migration, and intracellular protein trafficking. This protein contains a lipid kinase catalytic domain as well as a C-terminal C2 domain, a characteristic of class II PI3-kinases. C2 domains act as calcium-dependent phospholipid binding motifs that mediate translocation of proteins to membranes, and may also mediate protein-protein interactions. The biological function of this gene has not yet been determined.
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°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 PI3KC2G antibody (N-term) in CEM cell line lysates (35ug/lane). PI3KC2G (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-PIK3C2G antibody	PI3KC2G belongs to the phosphoinositide 3-kinase (PI3K) family. PI3-kinases play roles in signaling pathways involved in cell proliferation, oncogenic transformation, cell survival, cell migration, and intracellular protein trafficking. This protein contains a lipid kinase catalytic domain as well as a C-terminal C2 domain, a characteristic of class II PI3-kinases. C2 domains act as calcium-dependent phospholipid binding motifs that mediate translocation of proteins to membranes, and may also mediate protein-protein interactions. The biological function of this gene has not yet been determined.
Product Categories/Family for anti-PIK3C2G antibody	Cell Biology; Immunology; Signal Transduction
References	Rozycka, M., et al., Genomics 54(3):569-574 (1998).

NCBI AND UNIPROT INFORMATION

NCBI GI #	194353959
NCBI GeneID	5288
NCBI Accession #	NP_004561.3
NCBI GenBank Nucleotide #	NM_004570.5
UniProt Accession #	O75747; A1L3U0
Molecular Weight	165715
NCBI Official Full Name	phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit gamma isoform 3
NCBI Official Synonym Full Names	phosphatidylinositol-4-phosphate 3-kinase, catalytic subunit type 2 gamma
NCBI Official Symbol	PIK3C2G
NCBI Official Synonym Symbols	PI3K-C2GAMMA; PI3K-C2-gamma
NCBI Protein Information	phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit gamma
UniProt Protein Name	Phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit gamma
UniProt Gene Name	PIK3C2G
UniProt Synonym Gene Names	PI3K-C2-gamma; PtdIns-3-kinase C2 subunit gamma
UniProt Entry Name	P3C2G_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/pi3kc2g-antibody-immunohistochemistry-western-blot-elisa/286050>