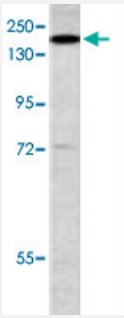
PIK3C2G polyclonal antibody

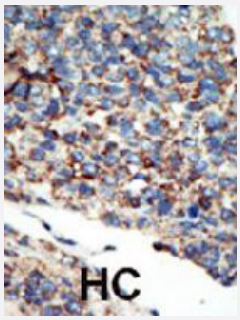
Catalog # PAB3208 Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of CEM cell lysate (35 ug/lane) with PIK3C2G polyclonal antibody (Cat # PAB3208).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with PIK3C2G polyclonal antibody (Cat # PAB3208) , 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. HC = hepatocarcinoma.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PIK3C2G.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human PIK3C2G.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification

Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-100) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of CEM cell lysate (35 ug/lane) with PIK3C2G polyclonal antibody (Cat # PAB3208).

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Gene Info — PIK3C2G

Entrez GeneID	5288
Protein Accession#	O75747
Gene Name	PIK3C2G
Gene Alias	MGC163149, PI3K-C2GAMMA
Gene Description	phosphoinositide-3-kinase, class 2, gamma polypeptide
Omim ID	609001
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene belongs to the phosphoinositide 3-kinase (PI3K) family. PI3-kin ases play roles in signaling pathways involved in cell proliferation, oncogenic transformation, cell s urvival, cell migration, and intracellular protein trafficking. This protein contains a lipid kinase catal ytic domain as well as a C-terminal C2 domain, a characteristic of class II PI3-kinases. C2 domai ns 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 gen e has not yet been determined. [provided by RefSeq

Other Designations	PTDINS-3-kinase C2 gamma|phosphatidylinositol 3-kinase C2 domain-containing gamma|phosphatidylinositol-4-phosphate 3-kinase C2 domain-containing gamma polypeptide

Publication Reference

- cDNA cloning of a third human C2-domain-containing class II phosphoinositide 3-kinase, PI3K-C2gamma, and chromosomal assignment of this gene (PIK3C2G) to 12p12.

  Rozycka M, Lu YJ, Brown RA, Lau MR, Shipley JM, Fry MJ.

  Genomics 1998 Dec; 54(3):569.

Pathway

- Inositol phosphate metabolism
- Metabolic pathways
- Phosphatidylinositol signaling system

Disease

- Diabetes Mellitus
- Drug Toxicity
- Edema
- Genetic Predisposition to Disease
- Hypercholesterolemia
- Schizophrenia