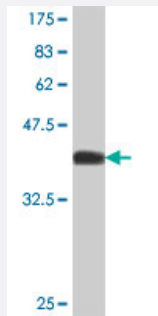


PIK3C2B polyclonal antibody (A01)

Catalog # H00005287-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (38.21 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant PIK3C2B.
Immunogen	PIK3C2B (NP_002637, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag.
Sequence	MSSTQDNGEHWKSLESVGISRKELAMAEALQMEYDALSLRHDKEENRAKQNADPSLISWDEP GVDFYSKPAGRRTDLKLLRGLSGSDPTLNYSLSLSPQEGPPNHSTSQG
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (90); Rat (88)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (38.21 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — PIK3C2B

Entrez GeneID [5287](#)

GeneBank Accession# [NM_002646](#)

Protein Accession# [NP_002637](#)

Gene Name PIK3C2B

Gene Alias C2-PI3K, DKFZp686G16234

Gene Description phosphoinositide-3-kinase, class 2, beta polypeptide

Omim ID [602838](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene 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 PI3-kinase activity of this protein is sensitive to low nanomolar levels of the inhibitor wortmanin. The C2 domain of this protein was shown to bind phospholipids but not Ca²⁺, which suggests that this enzyme may function in a calcium-independent manner. [provided by RefSeq]

Other Designations OTTHUMP00000034333|PI3K-C2beta|PTDINS-3-kinase C2 beta|phosphatidylinositol 3-kinase C2 domain-containing beta polypeptide

Pathway

- [Inositol phosphate metabolism](#)
- [Metabolic pathways](#)
- [Phosphatidylinositol signaling system](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Hypertension](#)
- [Prostatic Neoplasms](#)
- [Tobacco Use Disorder](#)