ARG45945
anti-PIK3C2B antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PIK3C2B
Tested Reactivity	Hu, Ms
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PIK3C2B
Species	Human
Immunogen	Recombinant protein containing to human PIK3C2B.
Conjugation	Un-conjugated
Alternate Names	PIK3C2B; Phosphatidylinositol-4-Phosphate 3-Kinase, Catalytic Subunit Type 2 Beta; EC 2.7.1.154; PtdIns-3-kinase C2 subunit beta; PI3K-C2-beta; C2-PI3K; Phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit beta; Phosphoinositide 3-kinase-C2-beta

Application Instructions

Application table

Application	Dilution
WB	0.25-0.5 µg/ml

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Observed Size	160 - 180 kDa

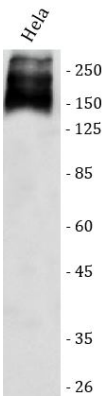
Properties

Form	Liquid
Purification	Affinity chromatography purified
Buffer	0.2% Na2HPO4, 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -22°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	PIK3C2B
Gene Full Name	Phosphatidylinositol-4-Phosphate 3-Kinase, Catalytic Subunit Type 2 Beta
Background	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, Jul 2008]
Function	Phosphorylates PtdIns and PtdIns4P with a preference for PtdIns. [UniProt]
Calculated Mw	185 kDa
Cellular Localization	Nucleus; Cell membrane; Cytoplasm; Microsome; Endoplasmic reticulum; Membrane. [UniProt]

Images



ARG45945 anti-PIK3C2B antibody WB image

Western blot: Hela stained with ARG45945 anti-PIK3C2B antibody at 0.5 µg/ml dilution.

ARG45945 anti-PIK3C2B antibody WB image

Western blot: Mouse spleen stained with ARG45945 anti-PIK3C2B antibody at 0.5 µg/ml dilution.