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PI 3 Kinase p85 beta Antibody

Rabbit mAb
Catalog # AP90535

Product Information

Application	WB, IHC, IF, FC, ICC, IP, IHF
Primary Accession	O00459
Reactivity	Rat, Human
Clonality	Monoclonal
Other Names	p85; p85 beta; P85B; Phosphatidylinositol 3 kinase; PI3 kinase p85 beta subunit; PI3K; PIK3R 2;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	81545

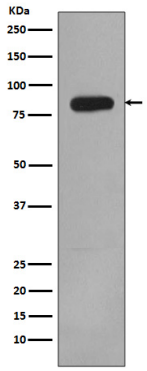
Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human PI 3 Kinase p85 beta
Description	Phosphoinositide 3-kinase (PI3K) catalyzes the production of phosphatidylinositol-3,4,5-triphosphate by phosphorylating phosphatidylinositol (PI), phosphatidylinositol-4-phosphate (PIP) and phosphatidylinositol-4,5-bisphosphate (PIP2). Growth factors and hormones trigger this phosphorylation event, which in turn coordinates cell growth, cell cycle entry, cell migration, and cell survival.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	PIK3R2
Function	Regulatory subunit of phosphoinositide-3-kinase (PI3K), a kinase that phosphorylates PtdIns(4,5)P2 (Phosphatidylinositol 4,5- bisphosphate) to generate phosphatidylinositol 3,4,5-trisphosphate (PIP3). PIP3 plays a key role by recruiting PH domain-containing proteins to the membrane, including AKT1 and PDPK1, activating signaling cascades involved in cell growth, survival, proliferation, motility and morphology. Binds to activated (phosphorylated) protein- tyrosine kinases, through its SH2 domain, and acts as an adapter, mediating the association of the p110 catalytic unit to the plasma membrane. Indirectly regulates autophagy (PubMed:23604317). Promotes nuclear translocation of XBP1 isoform 2 in a ER stress- and/or insulin- dependent manner during metabolic overloading in the liver and hence plays a role in glucose tolerance improvement (By similarity).

Images



Western blot analysis of PI 3 Kinase p85 beta expression in HeLa cell lysate.

Image not found : 202311/AP90535-IHC.jpg

Immunohistochemical analysis of paraffin-embedded human colon cancer, using PI 3 Kinase p85 beta Antibody.