

PI 3 Kinase p85 beta Antibody
Rabbit mAb
Catalog # AP90535

Specification

PI 3 Kinase p85 beta Antibody - Product Information

Application **WB, IHC, FC, ICC, IP**
Primary Accession [O00459](#)
Reactivity **Rat**
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 Da**

PI 3 Kinase p85 beta Antibody - Additional Information

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.**

PI 3 Kinase p85 beta Antibody - 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 PDK1, 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

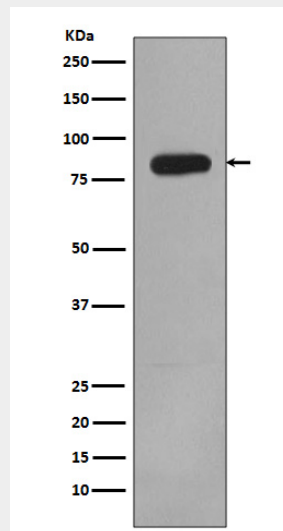
catalytic unit to the plasma membrane. Indirectly regulates autophagy (PubMed:23604317). Promotes nuclear translocation of XBP1 isoform 2 in a ER stress- and/or insulin- dependent manner during metabolic overloading in the liver and hence plays a role in glucose tolerance improvement (By similarity).

PI 3 Kinase p85 beta Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PI 3 Kinase p85 beta Antibody - Images



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