For Research Use Only

PI3 Kinase p85 Beta Polyclonal antibody

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Catalog Number:25868-1-AP

Basic Information

Catalog Number:
25868-1-AP

Size:
800 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG14369

GenBank Accession Number:
BC014170

GeneID (NCBI):
5296

UNIPROT ID:
O00459

Full Name:
phosphoinositide-3-kinase, regulatory subunit 2 (beta)

Calculated MW:
728 aa, 82 kDa

Observed MW:
82 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:4000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human

Positive Controls:

WB : K-562 cells, U-937 cells

Background Information

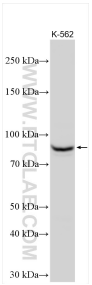
PI3 Kinase p85 is also named as PIK3R2 and belongs to the PI3K p85 subunit family. PI3 Kinase p85 is a regulatory subunit of phosphoinositide-3-kinase (PI3K) which is a kinase that phosphorylates phosphatidylinositol 4,5-bisphosphate to generate PIP3. PI3 Kinase p85 binds to activated (phosphorylated) protein-tyrosine kinases through its SH2 domain, and then acts as an adapter to mediate the association of the p110 catalytic unit to the plasma membrane. It promotes nuclear translocation of XBP1 isoform 2 in a ER stress or insulin-dependent manner during metabolic overloading in the liver and hence plays a role in glucose tolerance improvement (PMID:23604317).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



K-562 cells were subjected to SDS PAGE followed by western blot with 25868-1-AP (PI3 Kinase p85 Beta antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.