

For Research Use Only

PI3 Kinase p85 Beta Polyclonal antibody



Catalog Number: 25868-1-AP

Basic Information

Catalog Number: 25868-1-AP	GenBank Accession Number: BC014170	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 800 µg/ml by Nanodrop;	GeneID (NCBI): 5296	Recommended Dilutions: WB 1:1000-1:4000
Source: Rabbit	UNIPROT ID: O00459	
Isotype: IgG	Full Name: phosphoinositide-3-kinase, regulatory subunit 2 (beta)	
Immunogen Catalog Number: AG14369	Calculated MW: 728 aa, 82 kDa	
	Observed MW: 82 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : K-562 cells, U-937 cells
Species Specificity: human	

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

*** 20ul sizes contain 0.1% BSA

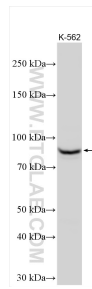
For technical support and original validation data for this product please contact:

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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.