

For Research Use Only

PI3 Kinase p85 Beta Monoclonal antibody, PBS Only



Catalog Number: 67644-1-PBS

Basic Information

Catalog Number: 67644-1-PBS	GenBank Accession Number: BC014170	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 5296	CloneNo.: 2B3B6
Source: Mouse	UNIPROT ID: O00459	
Isotype: IgG2b	Full Name: phosphoinositide-3-kinase, regulatory subunit 2 (beta)	
Immunogen Catalog Number: AG14369	Calculated MW: 728 aa, 82 kDa	
	Observed MW: 85 kDa	

Applications

Tested Applications:
WB, IF, IHC, Indirect ELISA

Species Specificity:
Human, Mouse, Rat

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

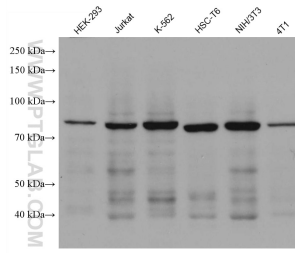
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

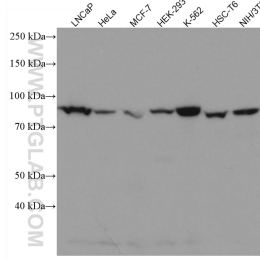
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

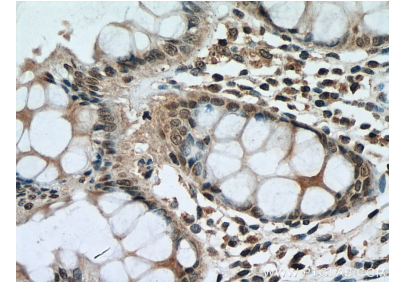
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67644-1-Ig (PI3 Kinase p85 Beta antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67644-1-PBS in a different storage buffer formulation.



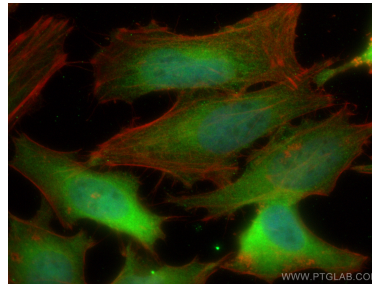
Various lysates were subjected to SDS PAGE followed by western blot with 67644-1-Ig (PIK3R2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67644-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 67644-1-Ig (PIK3R2 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67644-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 67644-1-Ig (PIK3R2 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67644-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using PI3 Kinase p85 Beta antibody (67644-1-Ig, Clone: 2B3B6) at dilution of 1:800 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-phalloidin (red). This data was developed using the same antibody clone with 67644-1-PBS in a different storage buffer formulation.