

For Research Use Only

PI3 Kinase p85 Beta Recombinant antibody, PBS Only

Catalog Number: 83606-5-PBS



Basic Information

Catalog Number: 83606-5-PBS	GenBank Accession Number: BC014170	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 5296	CloneNo.: 240531B5
Source: Rabbit	UNIPROT ID: O00459	
Isotype: IgG	Full Name: phosphoinositide-3-kinase, regulatory subunit 2 (beta)	
Immunogen Catalog Number: AG14367	Calculated MW: 728 aa, 82 kDa	
	Observed MW: 82 kDa	

Applications

Tested Applications:
WB, IF/ICC, ELISA

Species Specificity:
human, rat

Background Information

PIK3R2 is also named as PI3 Kinase p85 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

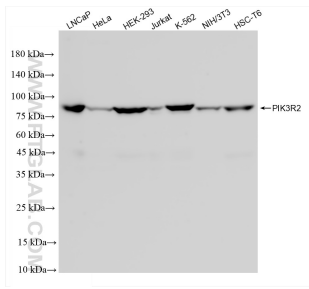
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

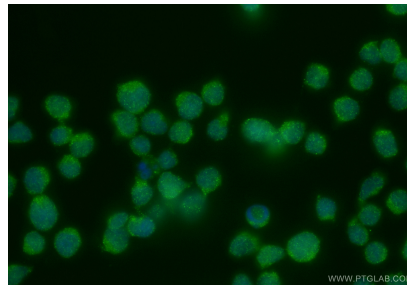
E: proteintech@ptglab.com
W: ptglab.com

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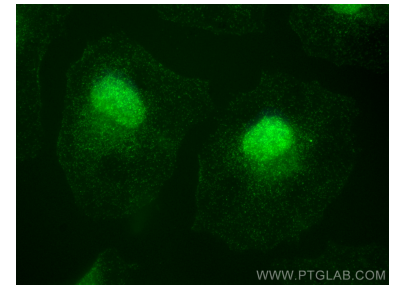
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83606-5-RR (PIK3R2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83606-5-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using PIK3R2 antibody (83606-5-RR, Clone: 240531B5) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 83606-5-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using PIK3R2 antibody (83606-5-RR, Clone: 240531B5) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). This data was developed using the same antibody clone with 83606-5-PBS in a different storage buffer formulation.