

PI3 Kinase p85 Beta Monoclonal antibody, PBS Only

Catalog Number: 67644-1-PBS

Basic Information

Catalog Number:

67644-1-PBS

Size:

1mg/ml

Source:

Mouse

Isotype:

IgG2b

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:

85 kDa

Purification Method:

Protein A purification

CloneNo.:

2B3B6

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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

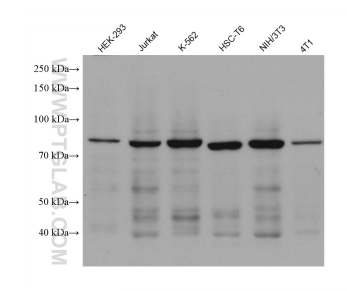
T: 4006900926

E: Proteintech-CN@ptglab.com

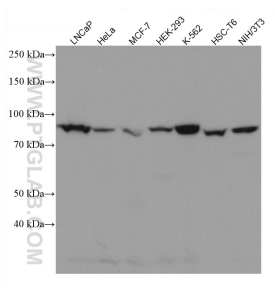
W: ptgcn.com

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

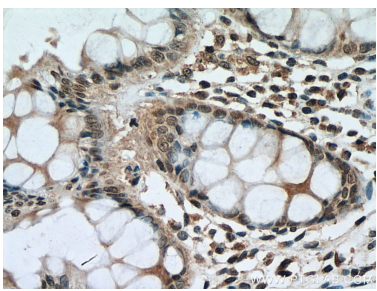
Selected Validation Data



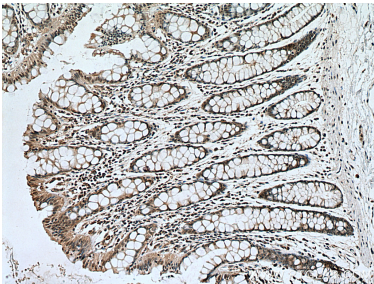
Various lysates were subjected to SDS PAGE followed by western blot with 67644-1-Ig (PI3 Kinase p85 Beta antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67644-1-PBS in a different storage buffer formulation.



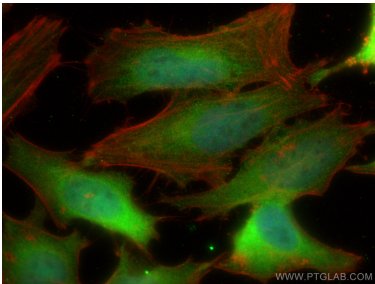
Various lysates were subjected to SDS PAGE followed by western blot with 67644-1-Ig (PIK3R2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67644-1-PBS in a different storage buffer formulation.



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.