

For Research Use Only

# PI3 Kinase p85 Alpha Monoclonal antibody, PBS Only

Catalog Number: 60225-1-PBS

Featured Product



## Basic Information

Catalog Number:

60225-1-PBS

Size:

100ug, Concentration: 1mg/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG2344

GenBank Accession Number:

BC030815

GeneID (NCBI):

5295

UNIPROT ID:

P27986

Full Name:

phosphoinositide-3-kinase, regulatory subunit 1 (alpha)

Calculated MW:

85 kDa

Observed MW:

85 kDa

Purification Method:

Protein A purification

CloneNo.:

4G3C11

## Applications

Tested Applications:

WB, IHC, IP, Indirect ELISA

Species Specificity:

human, mouse, rat, pig, rabbit

## Background Information

Phosphatidylinositol 3-kinase (PI3K) plays an important role in the metabolic actions of INS and is required for adipogenesis. The PI3K pathway has also been identified as an important player in cancer development and progression. The Class IA PI3K heterodimer, which is composed of a P110 catalytic subunit and a P85 regulatory subunit, is activated upon association of the P85 subunit with upstream adaptor proteins or receptor tyrosine kinases. Mutations in PIK3R1 are implicated in cases of breast cancer and associated to SHORT syndrome.

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

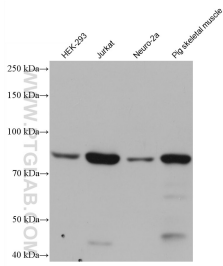
For technical support and original validation data for this product please contact:

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

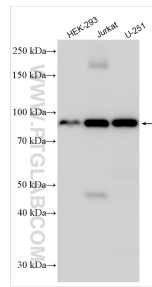
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

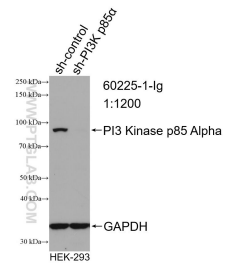
## Selected Validation Data



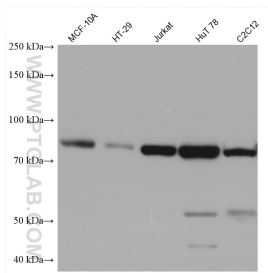
Various lysates were subjected to SDS PAGE followed by western blot with 60225-1-Ig (PI3 Kinase p85 Alpha antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60225-1-PBS in a different storage buffer formulation.



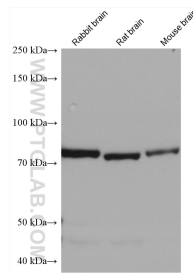
Various lysates were subjected to SDS PAGE followed by western blot with 60225-1-Ig (PI3 Kinase p85 Alpha antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60225-1-PBS in a different storage buffer formulation.



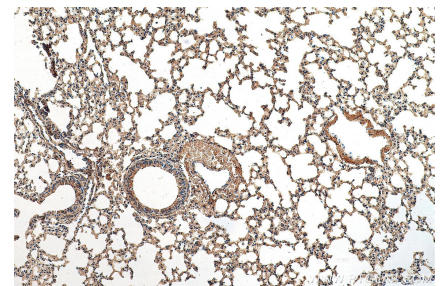
WB result of PI3 Kinase p85 Alpha antibody (60225-1-Ig; 1:1200; incubated at room temperature for 1.5 hours) with sh-Control and sh-PI3 Kinase p85 Alpha transfected HEK-293 cells. This data was developed using the same antibody clone with 60225-1-PBS in a different storage buffer formulation.



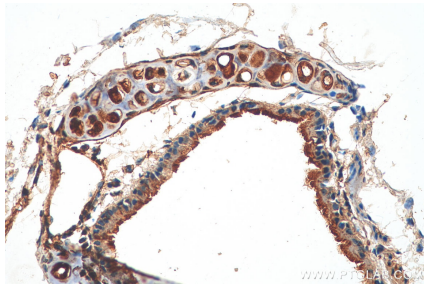
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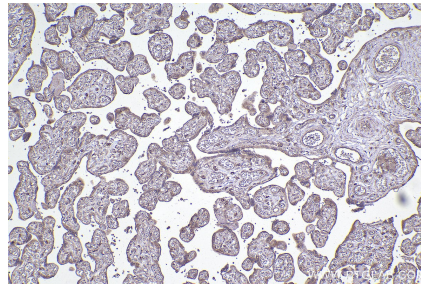
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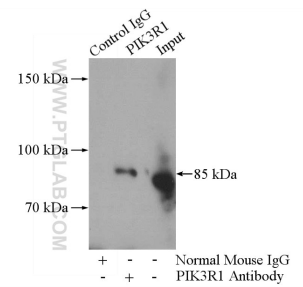
Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 60225-1-Ig (PI3 Kinase p85 Alpha antibody) at dilution of 1:50 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60225-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 60225-1-Ig (PI3 Kinase p85 Alpha antibody) at dilution of 1:50 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60225-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 60225-1-Ig (PI3 Kinase p85 Alpha antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60225-1-PBS in a different storage buffer formulation.



IP result of anti-PI3 Kinase p85 Alpha (IP:60225-1-Ig, 5ug; Detection:60225-1-Ig 1:500) with RAW 264.7 cells lysate 1480ug. This data was developed using the same antibody clone with 60225-1-PBS in a different storage buffer formulation.