

For Research Use Only

PI3 Kinase p85 Alpha Monoclonal antibody



Catalog Number: 60225-1-Ig **32 Publications**

Basic Information

Catalog Number:

60225-1-Ig

Size:

150UL, Concentration: 1500 µg/ml by 5295

Bradford method using BSA as the standard;

Source:

Mouse

IsoType:

IgG2a

Immunogen Catalog Number:

AG2344

GenBank Accession Number:

BC030815

GeneID (NCBI):

5295

Full Name:

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

Calculated MW:

85 kDa

Observed MW:

85 kDa

Purification Method:

Protein A purification

CloneNo.:

4G3C11

Recommended Dilutions:

WB 1:5000-1:20000

IP 0.5-4.0 µg for IP and 1:500-1:1000 for WB

Applications

Tested Applications:

IP, WB, ELISA

Cited Applications:

IHC, WB

Species Specificity:

human, mouse, pig, rat

Cited Species:

dog, human, mouse, rat

Positive Controls:

WB : A549 cells, PC-12 cells, mouse brain tissue, rat brain tissue, HEK-293 cells, pig brain tissue, fetal human brain tissue, Jurkat cells, Neuro-2a cells

IP : RAW 264.7 cells,

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Hong-Miao Wang	32994913	Ther Adv Chronic Dis	WB
Xubo Chen	29038536	Sci Rep	WB
Yi Zhang	31737684	J Diabetes Res	WB

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

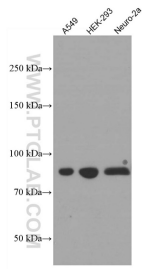
For technical support and original validation data for this product please contact:

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

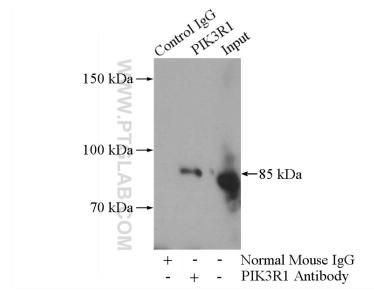
E: proteintech@ptglab.com
W: ptglab.com

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 60225-1-Ig (PI3K p85 alpha antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours.



IP Result of anti-PI3K p85(alpha) (IP:60225-1-Ig, 5ug; Detection:60225-1-Ig 1:500) with RAW 264.7 cells lysate 1480ug.