

For Research Use Only

PI3 Kinase p110 Alpha Polyclonal antibody

Catalog Number: 27921-1-AP

16 Publications



Basic Information

Catalog Number:

27921-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG27539

GenBank Accession Number:

BC113601

GeneID (NCBI):

5290

UNIPROT ID:

P42336

Full Name:

phosphoinositide-3-kinase, catalytic, alpha polypeptide

Calculated MW:

1068 aa, 124 kDa

Observed MW:

110 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

Human, mouse, rat

Cited Species:

human, mouse, rat

Positive Controls:

WB: Jurkat cells, mouse brain tissue, NIH/3T3 cells, rat brain tissue

Background Information

PIK3CA belongs to the PI3/PI4-kinase family. It phosphorylates PtdIns, PtdIns4P and PtdIns(4,5)P2 with a preference for PtdIns(4,5)P2. Defects in PIK3CA are associated with colorectal cancer (CRC). Defects in PIK3CA are associated with breast cancer. Defects in PIK3CA are associated with ovarian cancer. Defects in PIK3CA may underlie hepatocellular carcinoma (HCC). Defects in PIK3CA are a cause of keratosis seborrheic (KERSEB).

Notable Publications

Author	Pubmed ID	Journal	Application
Shi Dong	35101570	J Ethnopharmacol	WB
Mengdi Zhang	39898009	Int J Pharm X	WB
Shan Gao	39770546	Pharmaceuticals (Basel)	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

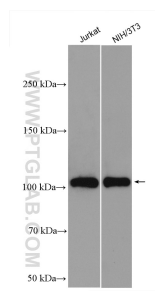
For technical support and original validation data for this product please contact:

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

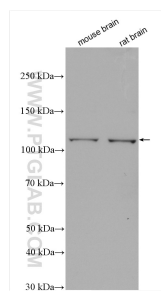
E: proteintech@ptglab.com
W: ptglab.com

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 27921-1-AP (PI3K p110(alpha) antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 27921-1-AP (PI3 Kinase p110 Alpha antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.