

For Research Use Only

PIK3IP1 Polyclonal antibody

Catalog Number: 16826-1-AP

Featured Product

16 Publications



Basic Information

Catalog Number:

16826-1-AP

Size:

150ul, Concentration: 650 ug/ml by Nanodrop and 213 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10427

GenBank Accession Number:

BC011049

GeneID (NCBI):

113791

UNIPROT ID:

Q96FE7

Full Name:

phosphoinositide-3-kinase interacting protein 1

Calculated MW:

263 aa, 28 kDa

Observed MW:

37 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Cited Applications:

WB, IF, CoIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, chicken, bovine

Positive Controls:

WB : HeLa cells, HepG2 cells, mouse liver tissue

IP : HeLa cells,

Background Information

PIK3IP1 (Phosphoinositide-3-kinase-interacting protein 1) is also named as HGFL. The class IA phosphoinositol-3-kinases (PI3Ks) regulate important cellular processes such as proliferation, growth, survival, motility and metabolism. PIK3IP1 is a transmembrane protein that possesses a region in its intracellular domain that shares homology with the p85 regulatory subunit of PI3K. It has 5 isoforms produced by alternative splicing with the MW of 11, 18, 19, 25, 28 kDa. PIK3IP1 undergoes N- and O-linked amino acid glycosylation. The major glycosylated form of PIK3IP1 migrates at about 43 kDa in western blot analysis, while the unglycosylated form migrates at 37 kDa. It is also detected a 65 kDa variant in HepG2 cell lysate that PIK3IP1 is indeed membrane bound and that these variants arise from alternative splicing and/or post-translational processing events such as enzymatic proteolysis and/or glycosylation. (PMID:18632611).

Notable Publications

Author	Pubmed ID	Journal	Application
Marc O Johnson	30392958	Cell	
Yuying Fu	31050064	Cell Biol Int	WB
Hong Ki Song	25826393	PLoS One	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

*** 20ul sizes contain 0.1% BSA

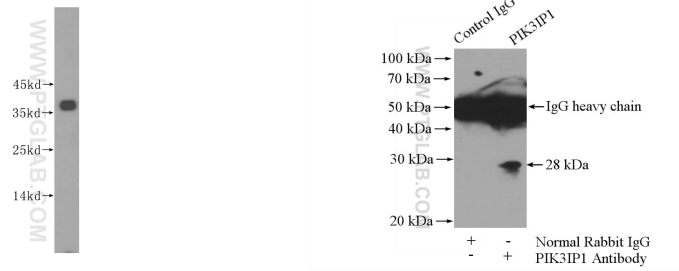
For technical support and original validation data for this product please contact:

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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



HeLa cells were subjected to SDS PAGE followed by western blot with 16826-1-AP (PIK3IP1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.

IP result of anti-PIK3IP1 (IP:16826-1-AP, 4ug; Detection:16826-1-AP 1:500) with HeLa cells lysate 3200ug.