

# PIK3IP1 Polyclonal antibody

Catalog Number: 16826-1-AP

Featured Product

13 Publications

## Basic Information

## Catalog Number:

16826-1-AP

## Size:

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

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG10427

## GenBank Accession Number:

BC011049

## GeneID (NCBI):

113791

## 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 µg for IP and 1:500-1:1000 for WB

## Applications

## Tested Applications:

IP, WB, ELISA

## Cited Applications:

CoIP, IF, WB

## Species Specificity:

human, mouse, rat

## Cited Species:

human, chicken, rat, mouse, 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 phosphoinositide-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

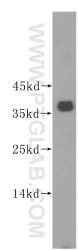
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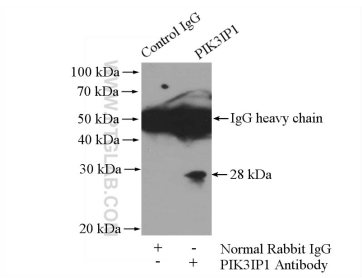
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Selected Validation Data



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.