

For Research Use Only

PIP5K1A Polyclonal antibody

Catalog Number: 15713-1-AP

Featured Product

12 Publications



Basic Information

Catalog Number: 15713-1-AP	GenBank Accession Number: BC007833	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 µg/ml by Nanodrop;	GeneID (NCBI): 8394	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:50-1:500 IF 1:10-1:100
Source: Rabbit	Full Name: phosphatidylinositol-4-phosphate 5-kinase, type I, alpha	
Isotype: IgG	Calculated MW: 56 kDa, 63 kDa	
Immunogen Catalog Number: AG8340	Observed MW: 63 kDa	

Applications

Tested Applications:
FC, IF, IHC, IP, WB, ELISA

Cited Applications:
IF, IHC, IP, WB

Species Specificity:
human, mouse, rat

Cited Species:
human, rat, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: HepG2 cells, HeLa cells, human liver tissue, human heart tissue, NCI-H1299 cells, PC-12 cells

IHC: human tonsillitis tissue,

IF: HeLa cells,

Background Information

Phosphatidylinositol 4-phosphate 5-kinases (PIP5Ks) play diverse roles in the cellular biology of many organisms, including signal transduction, secretion and vesicular trafficking, and regulation of cytoskeleton assembly (PMID:17688436). There are three PIP5K isoforms, α , β , and γ . The nomenclature for the α and β isoforms is switched between humans and mice (PMID:22096541). There are also several splicing variants of the γ isozyme have been identified (PMID:20945365). PIP5K1A has some isoforms produced by alternative splicing with the molecular mass of 56-63 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Daqi Li	35841593	Cancer Res	WB,IF,IP
Jaerak Chang	25365221	J Clin Invest	WB
Tianyan Wang	35386201	Front Cell Dev Biol	WB,IF

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

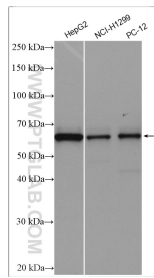
For technical support and original validation data for this product please contact:

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

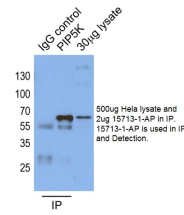
E: proteintech@ptglab.com
W: ptglab.com

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

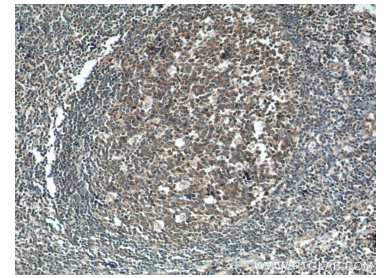
Selected Validation Data



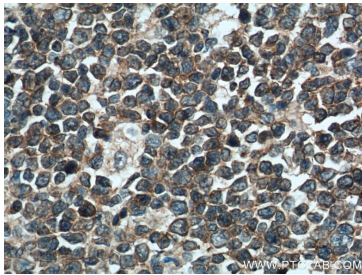
Various lysates were subjected to SDS PAGE followed by western blot with 15713-1-AP (PIP5K1A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



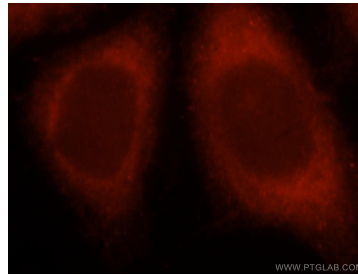
IP result of anti-PIP5K1A (15713-1-AP for IP and Detection).



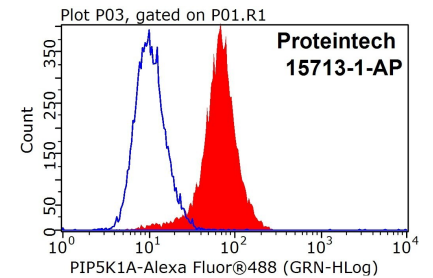
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 15713-1-AP (PIP5K1A Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 15713-1-AP (PIP5K1A Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of HeLa cells, using PIP5K1A antibody 15713-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



1X10⁶ HeLa cells were stained with .5ug PIP5K1A antibody (15713-1-AP, red) and control antibody (blue). FITC-Goat anti-Rabbit IgG with dilution 1:100. Cells were fixed with 4% PFA and permeabilized with 0.1% Triton X-100.