

For Research Use Only

# PIP5K1A Polyclonal antibody

Catalog Number: 15713-1-AP

Featured Product

12 Publications



## Basic Information

Catalog Number:

15713-1-AP

Size:

600 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8340

GenBank Accession Number:

BC007833

GeneID (NCBI):

8394

UNIPROT ID:

Q99755

Full Name:

phosphatidylinositol-4-phosphate 5-kinase, type I, alpha

Calculated MW:

56 kDa, 63 kDa

Observed MW:

63 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:50-1:500

IF/ICC 1:10-1:100

## Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

**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/ICC : 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,  $\alpha$ ,  $\beta$ , and  $\gamma$ . The nomenclature for the  $\alpha$  and  $\beta$  isoforms is switched between humans and mice (PMID:22096541). There are also several splicing variants of the  $\gamma$  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

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

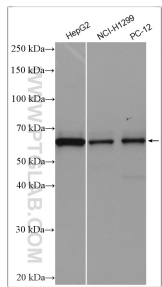
T: 4006900926

E: Proteintech-CN@ptglab.com

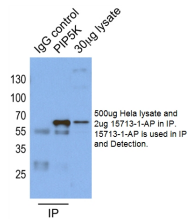
W: ptgcn.com

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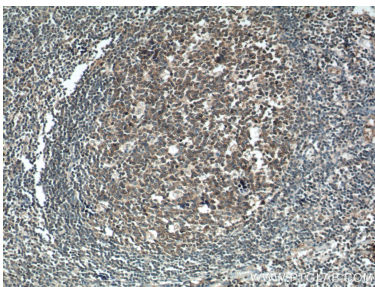
Selected Validation Data



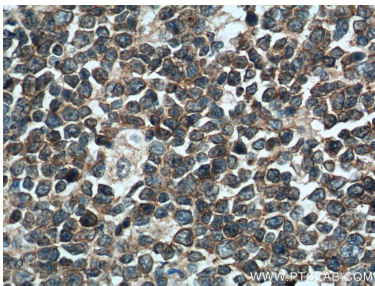
Various lysates were subjected to SDS PAGE followed by western blot with 15713-1-AP (PIP5K1A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



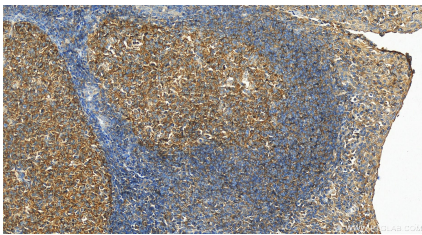
IP result of anti-PIP5K1A (15713-1-AP for IP and Detection).



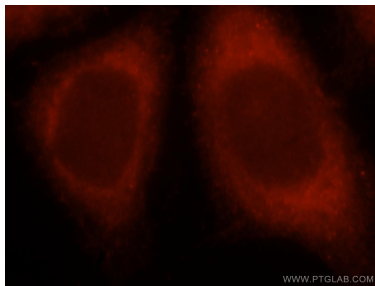
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 15713-1-AP (PIP5K1A Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 15713-1-AP (PIP5K1A antibody) at dilution of 1:1600 (under 20x 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).