

For Research Use Only

# PIP5K1A Monoclonal antibody, PBS Only



Catalog Number: 67483-1-PBS

## Basic Information

<b>Catalog Number:</b> 67483-1-PBS	<b>GenBank Accession Number:</b> BC007833	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 8394	<b>CloneNo.:</b> 3E5G12
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q99755	
<b>Isotype:</b> IgG2b	<b>Full Name:</b> phosphatidylinositol-4-phosphate 5-kinase, type I, alpha	
<b>Immunogen Catalog Number:</b> AG8355	<b>Calculated MW:</b> 56 kDa, 63 kDa	
	<b>Observed MW:</b> 63 kDa	

## Applications

**Tested Applications:**  
WB, IHC, Indirect ELISA

**Species Specificity:**  
Human

## 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.

## Storage

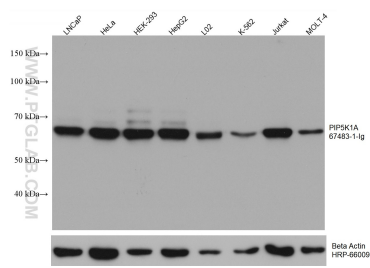
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

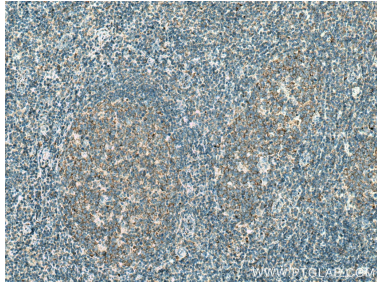
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

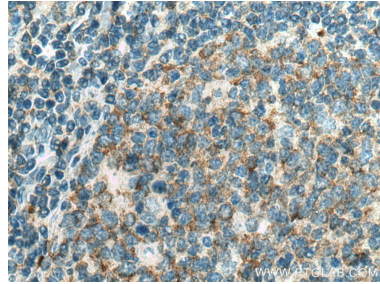
Selected Validation Data



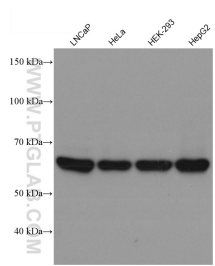
Various lysates were subjected to SDS PAGE followed by western blot with 67483-1-Ig (PIP5K1A antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control. This data was developed using the same antibody clone with 67483-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 67483-1-Ig (PIP5K1A antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67483-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 67483-1-Ig (PIP5K1A antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67483-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 67483-1-Ig (PIP5K1A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67483-1-PBS in a different storage buffer formulation.