

For Research Use Only

# CoraLite® Plus 488-conjugated PIP5K1A Polyclonal antibody



Catalog Number: CL488-15713

Featured Product

## Basic Information

<b>Catalog Number:</b> CL488-15713	<b>GenBank Accession Number:</b> BC007833	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 8394	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Source:</b> Rabbit	<b>Full Name:</b> phosphatidylinositol-4-phosphate 5- kinase, type I, alpha	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 56 kDa, 63 kDa	
<b>Immunogen Catalog Number:</b> AG8340	<b>Observed MW:</b> 63 kDa	

## Applications

**Tested Applications:**  
FC (Intra)

**Species Specificity:**  
human, mouse, rat

## 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

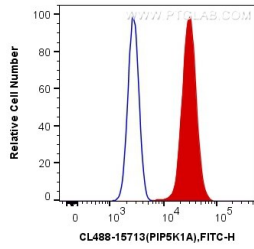
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug Coralite® Plus 488 Anti-Human PIP5K1A (CL488-15713) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).