For Research Use Only

CoraLite® Plus 488-conjugated PIP5K1A Polyclonal antibody

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Catalog Number:CL488-15713 Featured Product

Basic Information

Catalog Number:
CL488-15713

Size:
1000 μg/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

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human, mouse, rat

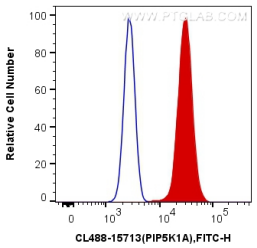
Background Information

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, 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.

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

Selected Validation Data



1X10^6 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).