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PIP5KL1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP11297a

Specification

PIP5KL1 Antibody (N-term) - Product Information

Application	**IF, WB, IHC-P,E**
Primary Accession	Q5T9C9
Other Accession	NP_001128691.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**44572**
Antigen Region	**57-86**

PIP5KL1 Antibody (N-term) - Additional Information

Gene ID 138429

Other Names
Phosphatidylinositol 4-phosphate 5-kinase-like protein 1, PI(4)P 5-kinase-like protein 1, PtdIns(4)P-5-kinase-like protein 1, PIP5KL1

Target/Specificity
This PIP5KL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 57-86 amino acids from the N-terminal region of human PIP5KL1.

Dilution
IF~~1:10~50
WB~~1:1000
IHC-P~~1:50~100

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
PIP5KL1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PIP5KL1 Antibody (N-term) - Protein Information

Name PIP5KL1

Function May act as a scaffold to localize and regulate type I PI(4)P 5-kinases to specific compartments within the cell, where they generate PI(4,5)P2 for actin nucleation, signaling and scaffold protein recruitment and conversion to PI(3,4,5)P3.

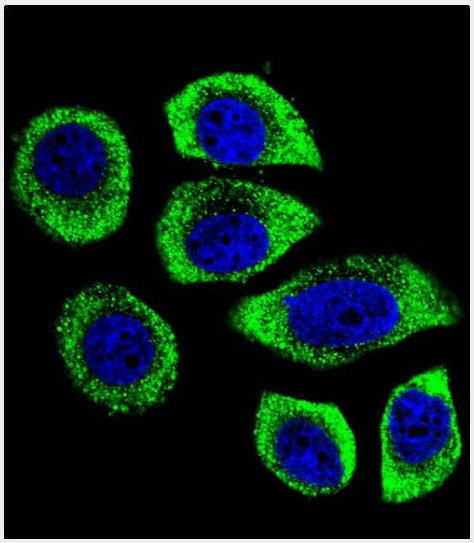
Cellular Location
Cytoplasm. Membrane. Note=Localized to large cytoplasmic vesicular structures.

PIP5KL1 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

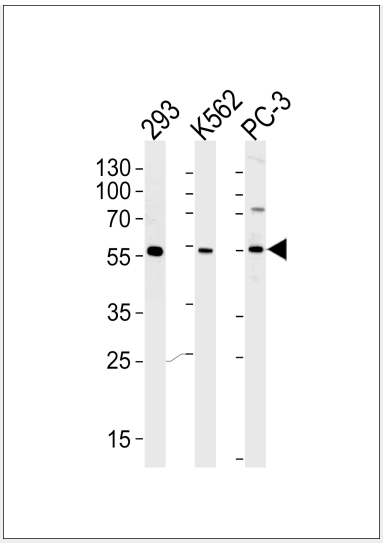
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PIP5KL1 Antibody (N-term) - Images

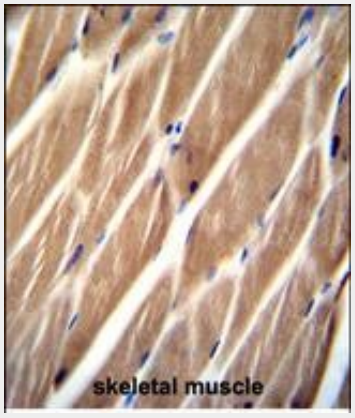


Confocal immunofluorescent analysis of PIP5KL1 Antibody (N-term)(Cat#AP11297a) with U-251MG cell followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). DAPI was used to stain the cell nuclear (blue).

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Western blot analysis of lysates from 293,K562,PC-3 cell line (from left to right),using PIP5KL1 Antibody (N-term)(Cat. #AP11297a).AP11297a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysates at 35ug per lane.



PIP5KL1 Antibody (N-term) (Cat. #AP11297a)immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of PIP5KL1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

PIP5KL1 Antibody (N-term) - Background

PIP5KL1 is a phosphoinositide kinase-like protein that lacks intrinsic lipid kinase activity but associates with type I PIPKs (see PIP5K1A; MIM 603275) and may play a role in localization of PIPK activity (Chang et al., 2004 [PubMed 14701839]).[supplied by OMIM].

PIP5KL1 Antibody (N-term) - References

Shi, L., et al. Mol. Biol. Rep. 37(5):2189-2198(2010)
Lamesch, P., et al. Genomics 89(3):307-315(2007)
Chang, J.D., et al. J. Biol. Chem. 279(12):11672-11679(2004)