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PIP5KL1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11297a

Product Information

Application	IHC-P, IF, WB, E
Primary Accession	Q5T9C9
Other Accession	NP_001128691.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB29011
Calculated MW	44572
Antigen Region	57-86

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	IHC-P~~1:100~500 IF~~1:10~50 WB~~1:1000 E~~Use at an assay dependent concentration.
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.

Protein Information

Name	PIP5KL1 (HGNC:28711)
Function	Likely functions as a regulatory or scaffold-like protein that modulates the subcellular localization and activity of type I PI(4)P 5-kinases (PIPKs) (By

similarity). Lacks intrinsic lipid kinase activity (By similarity).

Cellular Location Cytoplasm {ECO:0000250|UniProtKB:Q6U7H8}. Membrane {ECO:0000250|UniProtKB:Q6U7H8}

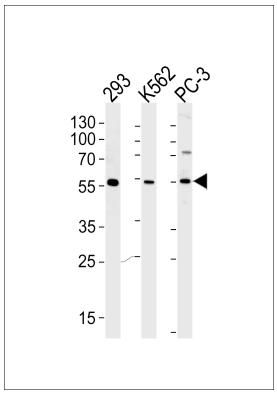
Background

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].

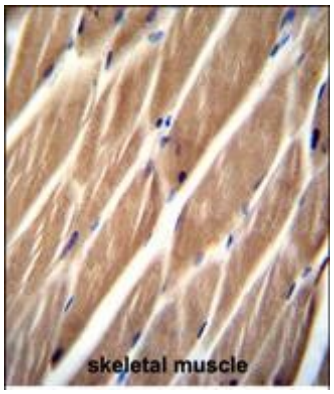
References

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)

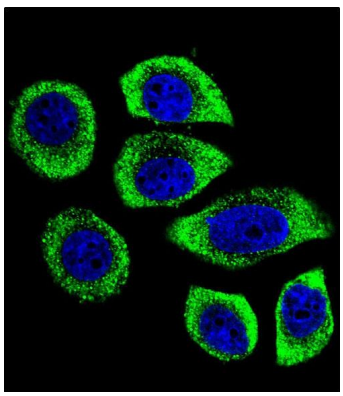
Images



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.



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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.