

SACM1L Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9560b**Specification**

SACM1L Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	O9NTJ5
Other Accession	O9ES21 , A6QL88
Reactivity	Human
Predicted	Bovine, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	66967
Antigen Region	408-436

SACM1L Antibody (C-term) - Additional Information**Gene ID** 22908**Other Names**

Phosphatidylinositol phosphatase SAC1, 313-, Suppressor of actin mutations 1-like protein, SACM1L, KIAA0851

Target/Specificity

This SACM1L antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 408-436 amino acids from the C-terminal region of human SACM1L.

Dilution

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

SACM1L Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SACM1L Antibody (C-term) - Protein Information**Name** SACM1L ([HGNC:17059](#))

Function Phosphoinositide phosphatase which catalyzes the hydrolysis of phosphatidylinositol 4-phosphate (PtdIns(4)P) (PubMed:[24209621](#), PubMed:[27044890](#), PubMed:[29461204](#), PubMed:[30659099](#)). Can also catalyze the hydrolysis of phosphatidylinositol 3-phosphate (PtdIns(3)P) and has low activity towards phosphatidylinositol-3,5-bisphosphate (PtdIns(3,5)P₂) (By similarity). Shows a very robust PtdIns(4)P phosphatase activity when it binds PtdIns(4)P in a 'cis' configuration in the cellular environment, with much less activity seen when it binds PtdIns(4)P in 'trans' configuration (PubMed:[24209621](#), PubMed:[29461204](#), PubMed:[30659099](#)). PtdIns(4)P phosphatase activity (when it binds PtdIns(4)P in 'trans' configuration) is enhanced in the presence of PLEKHA3 (PubMed:[30659099](#)).

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein. Golgi apparatus membrane. Note=Trafficking between the ER and Golgi is regulated by nutrient status and by TMEM39A (PubMed:31806350) Localizes to endoplasmic reticulum-plasma membrane contact sites (EPCS) in the presence of phosphatidylinositol-4,5-bisphosphate (PubMed:27044890).

Tissue Location

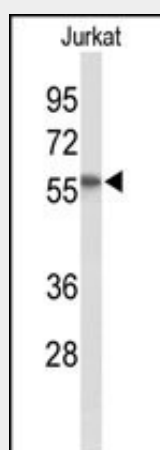
Detected in heart, brain, lung, liver, kidney, pancreas and testis.

SACM1L Antibody (C-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 Cytometry](#)
- [Cell Culture](#)

SACM1L Antibody (C-term) - Images



Western blot analysis of SACM1L Antibody (C-term) (Cat. #AP9560b) in Jurkat cell line lysates (35ug/lane). SACM1L (arrow) was detected using the purified Pab.

SACM1L Antibody (C-term) - Background

Phosphoinositide phosphatase that hydrolyzes PtdIns(3)P and PtdIns(4)P. Has low activity towards

PtdIns(3,5)P₂ (By similarity).

SACM1L Antibody (C-term) - References

- ?Liu, Y., et al. Mol. Biol. Cell 19(7):3080-3096(2008)
- ?Rohde, H.M., et al. J. Biol. Chem. 278(52):52689-52699(2003)
- ?Zhong, R., et al. Plant Physiol. 132(2):544-555(2003)
- ?Kiss, H., et al. Genomics 73(1):10-19(2001)