

SIPA1L3 Antibody
Catalog # ASC11020**Specification**

SIPA1L3 Antibody - Product Information

Application	WB, IHC, IF
Primary Accession	O60292
Other Accession	NP_055888 , 71143119
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application Notes	SIPA1L3 antibody can be used for detection of SIPA1L3 by Western blot at 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL.

SIPA1L3 Antibody - Additional Information

Gene ID	23094
Target/Specificity	
SIPA1L3;	

Reconstitution & Storage

SIPA1L3 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Precautions

SIPA1L3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

SIPA1L3 Antibody - Protein Information

Name SIPA1L3

Synonyms KIAA0545, SPAL3

Function

Plays a critical role in epithelial cell morphogenesis, polarity, adhesion and cytoskeletal organization in the lens (PubMed:26231217).

Cellular Location

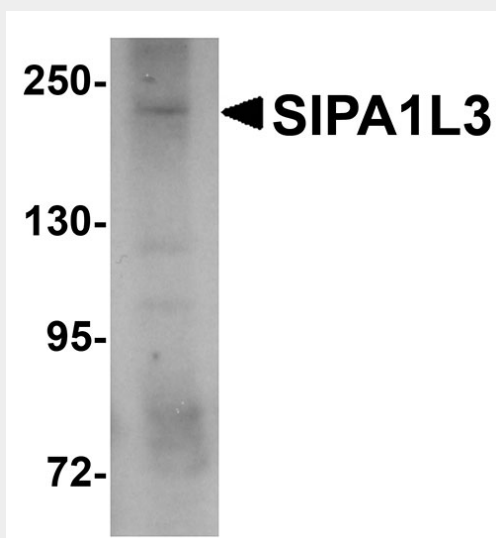
Apical cell membrane. Note=Detected in tricellular junctions Colocalizes with apical F-actin.

SIPA1L3 Antibody - Protocols

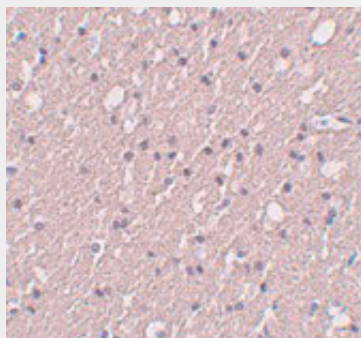
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

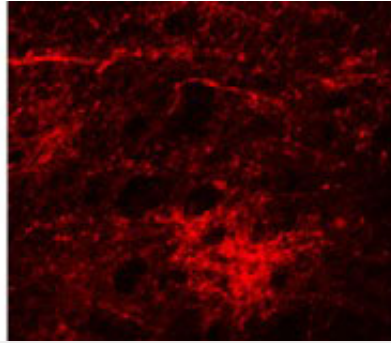
SIPA1L3 Antibody - Images



Western blot analysis of SIPA1L3 in SK-N-SH lysate with SIPA1L3 antibody at 1 μ g/mL.



Immunohistochemistry of SIPA1L3 in human brain tissue with SIPA1L3 antibody at 5 μ g/mL.



Immunofluorescence of SIPA1L3 in Human Brain cells with SIPA1L3 antibody at 20 µg/mL.

SIPA1L3 Antibody - Background

SIPA1L3 Antibody: Signal-induced proliferation associated-like protein 2 (SIPA1L3) is a member of the SIPA1 family of RapGAPs. SIPA1L3 was cloned as a novel molecular component of tight junctions and adherens junctions, suggesting that it may function to balance Rap1 by counteracting RapGEFs. Recent studies of SIPA indicate that its deregulation can cause myeloproliferative stem cell disorders in mice and increased metastases in human cancers. Other studies suggest SIPA1L1 may play important roles in embryo development and control of cell proliferation. Based on the amount of homology between SIPA family members, it is possible that SIPA1L3 plays other roles in development and cell proliferation.

SIPA1L3 Antibody - References

Minato N and Hattori M. SPA-1 (Sipa1) and Rap signaling in leukemia and cancer metastasis. *Cancer Sci.*2009; 100:17-23.

Matsuda M, Kobayashi Y, Masuda S, et al. Identification of adherens junction-associated GTPase activating proteins by the fluorescence localization-based expression cloning. *Exp. Cell Res.*2008; 314:939-49.

Ishida D, Kometani K, Yang H, et al. Myeloproliferative stem cell disorders by deregulated Rap1 activation in SPA-1-deficient mice. *Cancer Cell*2003; 4:55-65.

Park YG, Zhao X, Lesueur F, et al. Sipa1 is a candidate for underlying the metastasis efficiency modifier locus, Mtes. *Nat. Genet.*2005; 37:1055-62.