

SIPA1L3 Antibody

Catalog # ASC11020

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	O60292
Other Accession	NP_055888 , 71143119
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	194610
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	SIPA1L3 antibody can be used for detection of SIPA1L3 by Western blot at 1 μ g/mL. Antibody can also be used for immunohistochemistry starting at 5 μ g/mL. For immunofluorescence start at 20 μ g/mL.

Additional Information

Gene ID	23094
Other Names	Signal-induced proliferation-associated 1-like protein 3, SIPA1-like protein 3, SPA-1-like protein 3, SIPA1L3, KIAA0545, SPAL3
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.

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.

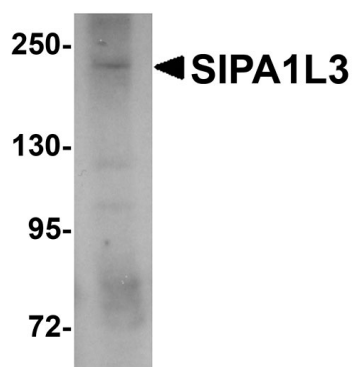
Background

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 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 development and cell proliferation.

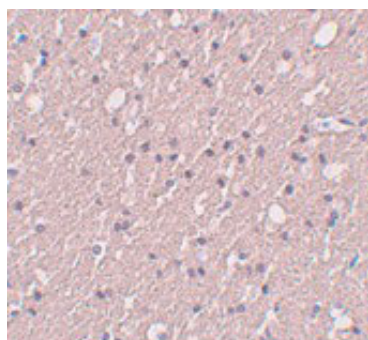
References

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 adherences 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.

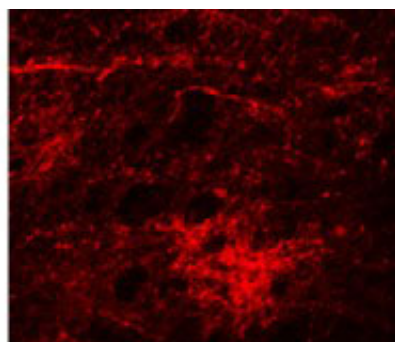
Images



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



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



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

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