

Goat Anti-SPA1 / SIPA1 Antibody
Peptide-affinity purified goat antibody
Catalog # AF2029a**Specification**

Goat Anti-SPA1 / SIPA1 Antibody - Product Information

Application	WB
Primary Accession	Q96FS4
Other Accession	NP_006738 , 6494
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	112149

Goat Anti-SPA1 / SIPA1 Antibody - Additional Information**Gene ID** 6494**Other Names**Signal-induced proliferation-associated protein 1, Sipa-1, GTPase-activating protein Spa-1, p130
SPA-1, SIPA1, SPA1**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-SPA1 / SIPA1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-SPA1 / SIPA1 Antibody - Protein Information**Name** SIPA1**Synonyms** SPA1**Function**

GTPase activator for the nuclear Ras-related regulatory proteins Rap1 and Rap2 in vitro, converting them to the putatively inactive GDP-bound state (PubMed:9346962). Affects cell cycle progression (By similarity).

Cellular Location

Nucleus. Cytoplasm, perinuclear region. Endomembrane system; Peripheral membrane protein.
Note=Mostly localized in the perinuclear membraneous region

Tissue Location

Expressed in fetal as well as in adult tissues. Expressed abundantly in the lymphoid tissues such as thymus, spleen and peripheral blood lymphocytes and also shows a significant expression in the spinal cord

Goat Anti-SPA1 / SIPA1 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](#)

Goat Anti-SPA1 / SIPA1 Antibody - Images

AF2029a staining (1 µg/ml) of Human EBV-immortalized lymphoblastoid lysate (RIPA buffer, 35 µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Goat Anti-SPA1 / SIPA1 Antibody - Background

The product of this gene is a mitogen induced GTPase activating protein (GAP). It exhibits a specific GAP activity for Ras-related regulatory proteins Rap1 and Rap2, but not for Ran or other small GTPases. This protein may also hamper mitogen-induced cell cycle progression when abnormally or prematurely expressed. It is localized to the perinuclear region. Two alternatively spliced variants encoding the same isoform have been characterized to date.

Goat Anti-SPA1 / SIPA1 Antibody - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the

Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.

Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121.

Polymorphisms in MMP9 and SIPA1 are associated with increased risk of nodal metastases in early-stage cervical cancer. Brooks R, et al. Gynecol Oncol, 2010 Mar. PMID 19906411.

Distinct inherited metastasis susceptibility exists for different breast cancer subtypes: a prognosis study. Hsieh SM, et al. Breast Cancer Res, 2009. PMID 19825179.

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