

SIPA1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16989b**Specification**

SIPA1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q96FS4](#)**SIPA1 Antibody (C-term) Blocking Peptide - 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**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SIPA1 Antibody (C-term) Blocking Peptide - 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

SIPA1 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SIPA1 Antibody (C-term) Blocking Peptide - Images

SIPA1 Antibody (C-term) Blocking Peptide - Background

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

SIPA1 Antibody (C-term) Blocking Peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Brooks, R., et al. Gynecol. Oncol. 116(3):539-543(2010)Hosgood, H.D. III, et al. Occup Environ Med 66(12):848-853(2009)Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Hsieh, S.M., et al. Breast Cancer Res. 11 (5), R75 (2009) :