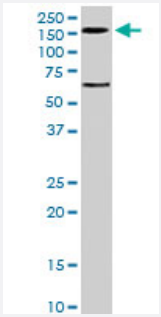
SIPA1 polyclonal antibody

Catalog # PAB6576 Size 100 ug

Applications



Western Blot (Cell lysate)

SIPA1 polyclonal antibody (Cat # PAB6576) staining (1 ug/mL) of human EBV-immortilized lymphoblastoid lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of SIPA1.
Immunogen	A synthetic peptide corresponding to human SIPA1.
Sequence	C-ASKQLGSPTADLA
Host	Goat
Theoretical MW (kDa)	112
Reactivity	Human
Specificity	Both variants represent identical protein (NP_694985.28 and NP_006738.2).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.

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Recommend Usage	ELISA (1:32000) Western Blot (1-3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Cell lysate)

  SIPA1 polyclonal antibody (Cat # PAB6576) staining (1 ug/mL) of human EBV-immortilized lymphoblastoid lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Gene Info — SIPA1

Entrez GeneID	6494
Protein Accession#	NP_694985.28;NP_006738.2
Gene Name	SIPA1
Gene Alias	MGC102688, MGC17037, SPA1
Gene Description	signal-induced proliferation-associated 1
Omim ID	602180
Gene Ontology	Hyperlink
Gene Summary	The product of this gene is a mitogen induced GTPase activating protein (GAP). It exhibits a spec ific 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 variant s encoding the same isoform have been characterized to date. [provided by RefSeq
Other Designations	GTPase-activating protein Spa-1|p130 SPA-1|signal-induced proliferation-associated gene 1|sig nal-induced proliferation-associated protein 1

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Publication Reference

- Molecular cloning of a novel mitogen-inducible nuclear protein with a Ran GTPase-activating domain that affects cell cycle progression.

  Hattori M, Tsukamoto N, Nur-e-Kamal MS, Rubinfeld B, Iwai K, Kubota H, Maruta H, Minato N.

  Molecular and Cellular Biology 1995 Jan; 15(1):552.

  Application: IF, IP, WB-Ce, Human, 70Z/3, β2M1, FDC-P2, LFD14, TGM78.3, P3U1 cells

Pathway

- Leukocyte transendothelial migration

Disease

- Abortion
- Breast cancer
- Breast Neoplasms
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Hematologic Diseases
- Kidney Failure
- Lymphatic Metastasis
- Neoplasm Metastasis
- Occupational Diseases
- Uterine Cervical Neoplasms

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