OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA319376

Sipa1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1:20,000, WB: 1:1,000 - 1:5,000, IHC: 1.25-2.5 ug/ml
Reactivity:	Mouse, Human, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to a region near the amino terminus of mouse Sipa1.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	signal-induced proliferation associated gene 1
Database Link:	NP_035509 Entrez Gene 6494 HumanEntrez Gene 361710 RatEntrez Gene 20469 Mouse
Synonyms:	MGC17037; MGC102688; Sipa-1; SPA1
Note:	This antibody is suitable for Cancer, Immunology and Nuclear Signaling research. Sipa1 (signal-induced proliferation associated gene 1) 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. Sipa1 is localized to the perinuclear region. Two alternatively spliced variants encoding the same isoform have been characterized to date.

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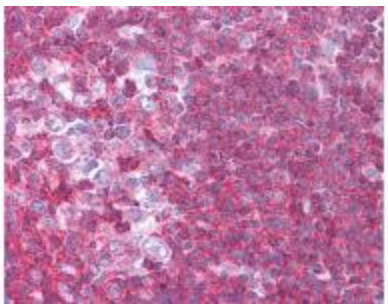
Product images:

WB using Anti-Sipa1 antibody shows detection of over-expressed Sipa1 in lysates from mouse 3T3 cells transfected with Sipa1 (lane 1). Endogenous Sipa1 is detected in lane 2, which contains lysate from 3T3 cells mock-transfected with LacZGLB. Lane 3 and 4 are similar to lanes 1 and 2 except the antibody was preincubated with the immunizing peptide prior to reaction with the membrane. Primary antibody was used at 1:1250.



Anti-Sipa1 antibody was used at 1.25 ug/ml to detect signal in a variety of tissues including multi-human, multi-brain and multi-cancer slides. This image shows moderate to strong positive staining of lymphocytes within human tonsil at 40X. Tissue was formalin-fixed and paraffin embedded. The image shows localization of the antibody as the precipitated red signal, with a hematoxylin purple nuclear counterstain. Personal Communication, Tina Roush, LifeSpanBiosciences, Seattle, WA.