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SIPA1 Antibody

CATALOG NUMBER: 46-371

Western blot analysis of SIPA1 in human EBV Immortalized Lymphoblastoid lysate (RIPA buffer, 35 ug total protein per lane) using SIPA1 Antibody at 1 ug/mL.

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	ELISA, WB
APPLICATIONS:	ELISA: Antibody detection limit dilution 1:32,000. Approximately 150 kDa band observed in human lysates of EBV-immortilized lymphoblastoid (calculated MW of 112 kDa according to NP_694985.28 and NP_006738.2). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Kurachi et al, J Biol Chem. 1997 Oct 31;272 (44) :28081-8; PMID: 9346962). Recommended concentration: 1-3 ug/mL. an additional band of 55-60 kDa was consistently observed, however this band was not blocked by the immunizing peptide and it is therefore a non-specific signal. We call for caution when this antibody is used for other assays than Western Blot.
POSITIVE CONTROL:	1) EBV Immortalized Lymphoblastoid Lysate
SPECIFICITY:	Both variants represent identical protein (NP_694985.28 and NP_006738.2).
IMMUNOGEN:	SIPA1 antibody was raised against a 13 amino acid synthetic peptide near the C-Terminus of SIPA1.
HOST SPECIES:	Goat

Properties

PURIFICATION:	SIPA1 antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
PHYSICAL STATE:	Liquid
BUFFER:	SIPA1 antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
CONCENTRATION:	500 ug/mL
STORAGE CONDITIONS:	Aliquot and store at -20˚C. Minimize freezing and thawing.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	SIPA1, SPA1, MGC17037, signal-induced proliferation-associated gene 1, p130 SPA-1, GTPase-activating

	protein Spa-1
ACCESSION NO.:	NP_694985.28, NP_006738.2
PROTEIN GI NO.:	24497629
OFFICIAL SYMBOL:	SIPA1
GENE ID:	6494

Background

REFERENCES:	1) Hattori M, Tsukamoto N, Nur-e-Kamal MS, Rubinfeld B, Iwai K, Kubota H, Maruta H, Minato N. Molecular cloning of a novel mitogen-inducible nuclear protein with a Ran GTPase-activating domain that affects cell cycle progression. Mol Cell Biol. 1995 Jan;15(1):552-60.

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