

Datasheet for ABIN233836

anti-SIPA1 antibody[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	SIPA1
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SIPA1 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

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 Sip1.
Isotype:	IgG
Cross-Reactivity:	Human, Rat (Rattus)
Characteristics:	Concentration Definition: by UV absorbance at 280 nm

Target Details

Target:	SIPA1
Alternative Name:	Sip1 (SIPA1 Products)
Background:	This antibody is designed, produced, and is suitable for Cancer, Immunology and Nuclear Signaling research. Sip1 (signal-induced proliferation associated gene 1) is a mitogen-induced

Target Details

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.

Synonyms: GTPase activating protein Spa 1 antibody, MGC102688 antibody, MGC17037 antibody, p130 SPA1 antibody, Signal induced proliferation associated 1 antibody

Gene ID: 20469

UniProt: [P46062](#)

Pathways: [Response to Water Deprivation](#)

Application Details

Application Notes: This affinity purified antibody has been tested for use in ELISA, immunohistochemistry and western blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 130 kDa in size corresponding

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1.25 mg/mL

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C



Western Blotting

Image 1. Western blot using affinity purified 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, although at a significantly reduced level compared to transfected cells. 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. The identity of the higher and lower molecular weight bands is unknown. The band at ~130 kDa, indicated by the arrowhead, corresponds to recombinant Sipa1. Primary antibody was used at 1:1250. Personal communication, H. Yang, L. Lukes and K. Hunter, NCI, Bethesda, MD.