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Datasheet for ABIN233836 anti-SIPA1 antibody

Image



Overview

uced by repeated
amino terminus of

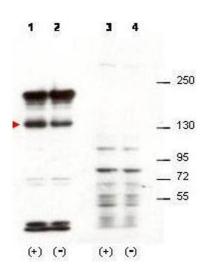
Target Details

Target:	SIPA1
Alternative Name:	Sipa1 (SIPA1 Products)
Background:	This antibody is designed, produced, and is suitable for Cancer, Immunology and Nuclear
	Signaling research. Sipa1 (signal-induced proliferation associated gene 1) is a mitogen-induced

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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.