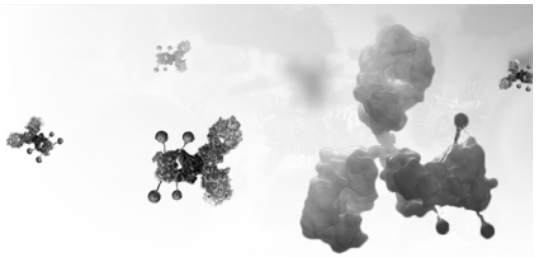

Mouse anti-Human ARHGEF1 monoclonal antibody, clone 5D5 (CABT-B9785)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	ARHGEF1 (AAH34013, 830 a.a. ~ 927 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	5D5
Conjugate	Unconjugated
Applications	WB,IF,sELISA,ELISA
Sequence Similarities	CRPGPEGQLAATALRKVLSLKQLLFPAEEDNGAGPPRDGDGVPGGGPLSPARTQEIQENL LSLEETMKQLEELEEEFCRLRPLLSQLGGNSVPQPGCT
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	Rho GTPases play a fundamental role in numerous cellular processes that are initiated by extracellular stimuli that work through G protein coupled receptors. The encoded protein may

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	form complex with G proteins and stimulate Rho-dependent signals. Multiple alternatively spliced transcript variants have been found for this gene, but the full-length nature of some variants has not been defined. [provided by RefSeq, Jul 2008]
Keywords	ARHGEF1; Rho guanine nucleotide exchange factor (GEF) 1; LSC; GEF1; LBCL2; SUB1.5; P115-RHOGEF; rho guanine nucleotide exchange factor 1; p115RhoGEF; Lsc homolog; 115-kD protein; 115 kDa guanine nucleotide exchange factor;

GENE INFORMATION

Entrez Gene ID	9138
UniProt ID	Q92888
Pathway	Axonal growth inhibition (RHOA activation), organism-specific biosystem; Axonal growth stimulation, organism-specific biosystem; G Protein Signaling Pathways, organism-specific biosystem; G alpha (12/13) signalling events, organism-specific biosystem; G13 Signaling Pathway, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem
Function	GTPase activator activity; Rho guanyl-nucleotide exchange factor activity; Rho guanyl-nucleotide exchange factor activity; guanyl-nucleotide exchange factor activity; protein binding

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