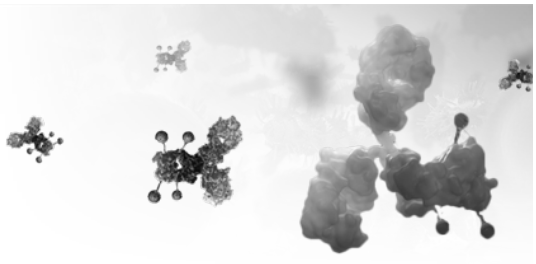
CD Creative Diagnostics®



Anti-ARHGEF18 monoclonal antibody (DCABH-10596)

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

PRODUCT INFORMATION

Antigen Description	Rho GTPases are GTP binding proteins that regulate a wide spectrum of cellular functions. These cellular processes include cytoskeletal rearrangements, gene transcription, cell growth and motility. Activation of Rho GTPases is under the direct control of guanine nucleotide exchange factors (GEFs). The protein encoded by this gene is a guanine nucleotide exchange factor and belongs to the Rho GTPase GFE family. Family members share a common feature, a Dbl (DH) homology domain followed by a pleckstrin (PH) homology domain. Alternatively spliced transcript variants encoding different isoforms have been identified.
Immunogen	A synthetic peptide of human ARHGEF18 is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Gene Name	ARHGEF18 Rho/Rac guanine nucleotide exchange factor (GEF) 18 [Homo sapiens]
Official Symbol	ARHGEF18
Synonyms	ARHGEF18; Rho/Rac guanine nucleotide exchange factor (GEF) 18; rho/rac guanine nucleotide exchange factor (GEF) 18; rho guanine nucleotide exchange factor 18; KIAA0521; MGC15913; P114 RhoGEF; Rho specific guanine nucleotide exchange factor p114; SA-RhoGEF; p114RhoGEF; P114-RHO-GEF; septin-associated RhoGEF; Rho/Rac guanine nucleotide exchange factor 18; Rho-specific guanine nucleotide exchange factor p114; 114 kDa Rho-specific guanine nucleotide exchange factor; P114-RhoGEF;
Entrez Gene ID	23370
Protein Refseq	NP_001124427
UniProt ID	Q6ZSZ5
Chromosome Location	19p13.3
Pathway	Cell death signalling via NRAGE, NRIF and NADE, organism-specific biosystem; G alpha (12/13) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; NRAGE signals death through JNK, organism-specific biosystem; Regulation of RhoA activity, organism-specific biosystem; Rho GTPase cycle, organism-specific biosystem; Signal Transduction, organism-specific biosystem;
Function	Rho guanyl-nucleotide exchange factor activity; guanyl-nucleotide exchange factor activity;

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