



Human RACGAP1 blocking peptide (CDBP2458)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-RACGAP1/MgcRacGAP antibody
Antigen Description	The protein encoded by this gene belongs to the GTPase-activating protein (GAP) family. GAPs bind activated forms of Rho GTPases and stimulate GTP hydrolysis. Through this catalytic function, GAPs negatively regulate Rho-mediated signals. This protein plays a regulatory role in initiation of cytokinesis, controlling cell growth and differentiation of hematopoietic cells, regulating spermatogenesis, and in neuronal proliferation. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2011]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	RACGAP1 Rac GTPase activating protein 1 [Homo sapiens]
Official Symbol	RACGAP1

Synonyms	RACGAP1; Rac GTPase activating protein 1; rac GTPase-activating protein 1; MgcRacGAP; protein CYK4 homolog; male germ cell RacGap; GTPase activating protein; CYK4; ID-GAP; HsCYK-4;
Entrez Gene ID	29127
mRNA Refseq	NM_001126103
Protein Refseq	NP_001119575
UniProt ID	Q9H0H5
Chromosome Location	12q13
Pathway	Aurora B signaling, organism-specific biosystem; Factors involved in megakaryocyte development and platelet production, organism-specific biosystem; Hemostasis, organism-specific biosystem; Kinesins, organism-specific biosystem; RAC1 signaling pathway, organism-specific biosystem; Regulation of CDC42 activity, organism-specific biosystem; Regulation of RAC1 activity, organism-specific biosystem;
Function	GTPase activator activity; GTPase activator activity; alpha-tubulin binding; beta-tubulin binding; gamma-tubulin binding; metal ion binding; microtubule binding; protein binding; protein kinase binding;