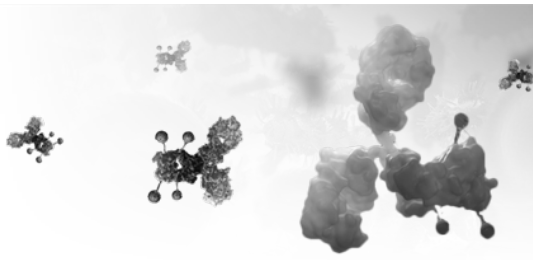

Anti-RACGAP1 (aa 1-172) polyclonal antibody (CPBT-44743RH)

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

PRODUCT INFORMATION

Product Overview	Rabbit Polyclonal antibody to Human RACGAP1.
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.
Immunogen	Recombinant fragment containing a sequence corresponding to a region within amino acids 1-172 of Human RACGAP1 (AAH32754).
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB, IHC-P, ICC/IF
Cellular Localization	Cytoplasmic and Nuclear
Format	Liquid
Size	50 µl
Buffer	Preservative: 0.01% Thimerosal (merthiolate)Constituents: 10% Glycerol, 0.1M Tris, 0.1M

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	Glycine, pH 7.0
Preservative	None
Storage	Shipped at 4℃. Upon delivery aliquot and store at -20℃ or -80℃. Avoid repeated freeze / thaw cycles.

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; GAP; Gap1; GTPase activating protein; ID GAP; Rac GTPase activating protein 1; RACGAP 1; OTTHUMP00000242159; OTTHUMP00000242160; OTTHUMP00000242161; OTTHUMP00000242162; OTTHUMP00000242163; male germ cell RacGap; GTPase activating protein; ID-GAP; HsCYK-4;
Entrez Gene ID	29127
Protein Refseq	NP_001119575
UniProt ID	A0A024R136
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; Rho GTPase cycle, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Sign.
Function	GTPase activator activity; GTPase activator activity; alpha-tubulin binding; beta-tubulin binding; gamma-tubulin binding; metal ion binding; microtubule binding; protein binding;

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