Immunotag™ RACGAP1 Antibody

Antibody Specification

Catalog No.	ITA7321
Product Description	Immunotag™ RACGAP1 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	RACGAP1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,IF/ICC,ELISA
Recommended Dilution	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human RACGAP1
Specificity	RACGAP1 Antibody detects endogenous levels of total RACGAP1
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	RACGAP1
Accession No.	Q9H0H5
Alternate Names	CYK4; GAP; Gap1; GTPase activating protein; HsCYK-4; ID GAP; KIAA1478; Male germ cell RacGap; MgcRacGAP; Protein CYK4 homolg; Protein CYK4 homolog; Rac GTPase activating protein 1; Rac GTPase-activating protein 1; RACGAP 1; Racgap1; RGAP1_HUMAN;

Antibody Specification

Description	Component of the centralspindlin complex that serves as a microtubule-dependent and Rho-mediated signaling required for the myosin contractile ring formation during the cell cycle cytokinesis. Required for proper attachment of the midbody to the cell membrane during cytokinesis. Plays key roles in controlling cell growth and differentiation of hematopoietic cells through mechanisms other than regulating Rac GTPase activity. Also involved in the regulation of growth-related processes in adipocytes and myoblasts. May be involved in regulating spermatogenesis and in the RACGAP1 pathway in neuronal proliferation. Shows strong GAP (GTPase activation) activity towards CDC42 and RAC1 and less towards RHOA. Essential for the early stages of embryogenesis. May play a role in regulating cortical activity through RHOA during cytokinesis. May participate in the regulation of sulfate transport in male germ cells.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	71kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.