

ARG63188 anti-RACGAP1 / MgcRacGAP antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes RACGAP1 / MgcRacGAP
Tested Reactivity	Hu
Predict Reactivity	Cow, Dog
Tested Application	FACS, ICC/IF, IHC-P, WB
Specificity	Reported variants represent identical protein: NP_037409.2, NP_001119576.1 and NP_001119575.1.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	RACGAP1 / MgcRacGAP
Species	Human
Immunogen	C-GRQGNFFASPMLK
Conjugation	Un-conjugated
Alternate Names	CYK4; Rac GTPase-activating protein 1; MgcRacGAP; Protein CYK4 homolog; Male germ cell RacGap; ID-GAP; HsCYK-4

Application Instructions

Application table	Application	Dilution
	FACS	10 µg/ml
	ICC/IF	10 µg/ml
	IHC-P	1 µg/ml
	WB	0.3 - 1 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Microwaved tissue section in Tris/EDTA buffer (pH 9.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

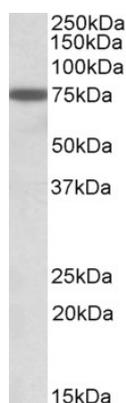
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA

Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

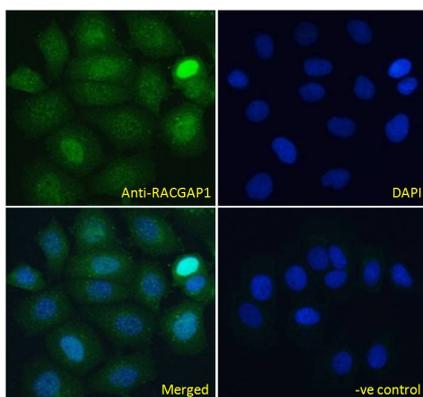
Database links	GeneID: 29127 Human Swiss-port # Q9H0H5 Human
Background	The protein encoded by this gene belongs to the GTPase-activating protein (GAP) family. GAPs bind activated forms of Rho GTPases and stimulate GTP hydrolysis. Through this catalytic function, GAPs negatively regulate Rho-mediated 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]
Research Area	Cell Biology and Cellular Response antibody; Signaling Transduction antibody
Calculated Mw	71 kDa
PTM	Phosphorylated at multiple sites in the midbody during cytokinesis. Phosphorylation by AURKB on Ser-387 at the midbody is, at least in part, responsible for exerting its latent GAP activity towards RhoA. Phosphorylation on multiple serine residues by PLK1 enhances its association with ECT2 and is critical for cleavage furrow formation.

Images



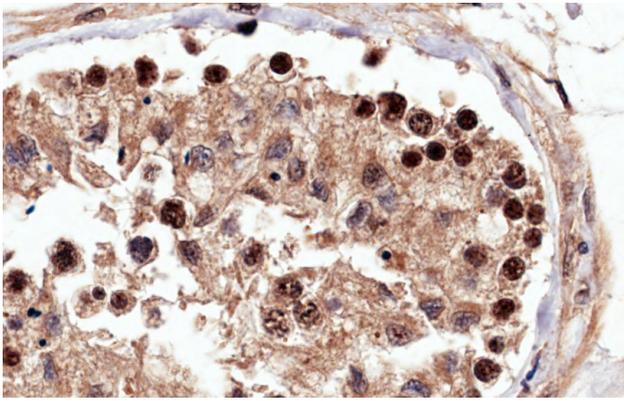
ARG63188 anti-RACGAP1 / MgcRacGAP antibody WB image

Western Blot: K562 cell lysate (35 µg protein in RIPA buffer). stained with ARG63188 anti-RACGAP1 / MgcRacGAP antibody at 1 µg/ml dilution.



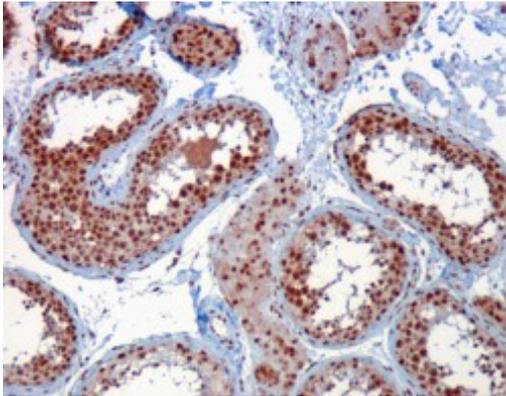
ARG63188 anti-RACGAP1 / MgcRacGAP antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed MCF7 cells permeabilized with 0.15% Triton. Cells were stained with ARG63188 anti-RACGAP1 / MgcRacGAP antibody (green) at 10 µg/ml dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized goat IgG (green) at 10 µg/ml dilution.



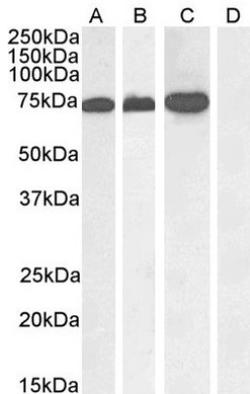
ARG63188 anti-RACGAP1 / MgcRacGAP antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human testis tissue. Antigen Retrieval: Microwaved tissue section in Tris/EDTA buffer (pH 9.0). The tissue section was stained with ARG63188 anti-RACGAP1 / MgcRacGAP antibody at 4 µg/ml dilution followed by HRP-staining.



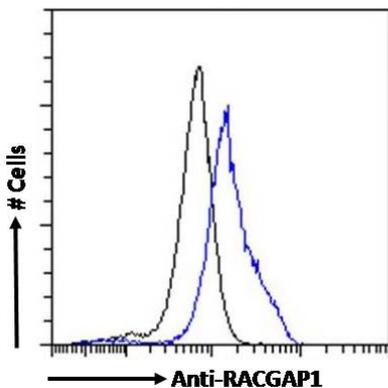
ARG63188 anti-RACGAP1 / MgcRacGAP antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human testis tissue. (Microwaved antigen retrieval with Tris/EDTA buffer pH9) stained with ARG63188 anti-RACGAP1 / MgcRacGAP antibody at 1 µg/ml dilution followed by HRP-staining.



ARG63188 anti-RACGAP1 / MgcRacGAP antibody WB image

Western blot: 35 µg of A431 nucleus (A), Jurkat (B), Jurkat nucleus (C) and Human pancreas (D, negative control) lysates (in RIPA buffer) stained with ARG63188 anti-RACGAP1 / MgcRacGAP antibody at 1 µg/ml dilution and incubated at RT for 1 hour.



ARG63188 anti-RACGAP1 / MgcRacGAP antibody FACS image

Flow Cytometry: Paraformaldehyde-fixed MCF7 cells permeabilized with 0.5% Triton. Cells were stained with ARG63188 anti-RACGAP1 / MgcRacGAP antibody (blue line) at 10 µg/ml dilution for 1 hour, followed by incubation with Alexa FluorR 488 labelled secondary antibody. IgG control: Unimmunized goat IgG (black line).