

Datasheet for ABIN7167019

anti-RACGAP1 antibody (AA 353-632)[Go to Product page](#)**3** Images

Overview

Quantity:	100 µL
Target:	RACGAP1
Binding Specificity:	AA 353-632
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RACGAP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Recombinant Human Rac GTPase-activating protein 1 protein (353-632AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	RACGAP1
Alternative Name:	RACGAP1 (RACGAP1 Products)
Background:	Background: Component of the centralspindlin complex that serves as a microtubule-dependent and Rho-mediated signaling required for the myosin contractile ring formation

Target Details

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.

Aliases: CYK4 antibody, GAP antibody, Gap1 antibody, GTPase activating protein antibody, HsCYK-4 antibody, ID GAP antibody, KIAA1478 antibody, Male germ cell RacGap antibody, MgcRacGAP antibody, Protein CYK4 homolg antibody, Protein CYK4 homolog antibody, Rac GTPase activating protein 1 antibody, Rac GTPase-activating protein 1 antibody, RACGAP 1 antibody, Racgap1 antibody, RGAP1_HUMAN antibody

UniProt: [Q9H0H5](#)

Pathways: [Regulation of Actin Filament Polymerization](#), [Myometrial Relaxation and Contraction](#), [Regulation of G-Protein Coupled Receptor Protein Signaling](#), [Signaling of Hepatocyte Growth Factor Receptor](#)

Application Details

Application Notes: Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

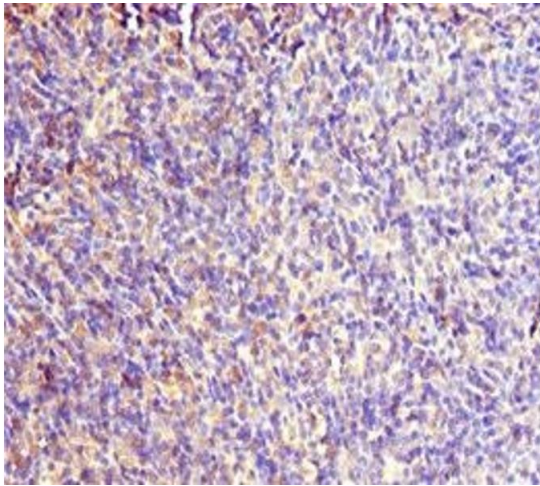
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

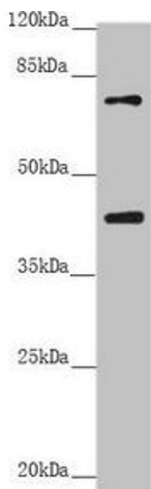
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



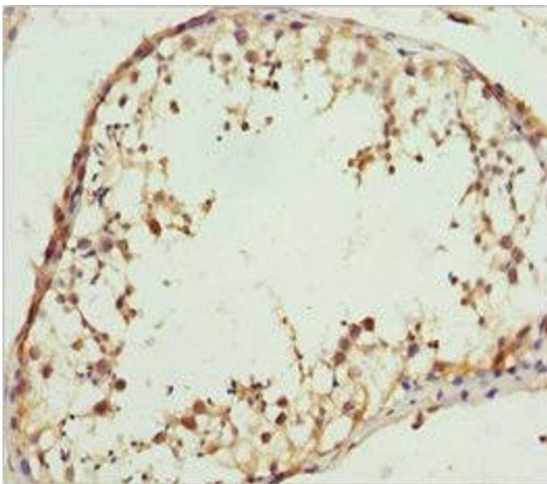
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human thymus tissue using ABIN7167019 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: RACGAP1 antibody at 2.68 µg/mL + Raji whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 71 kDa Observed band size: 71, 40 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human testis tissue using ABIN7167019 at dilution of 1:100