



Order: (888)-282-5810 (Phone)
(818)-707-0392 (Fax)
order@abiocode.com
Web: www.Abiocode.com

RACGAP1 (C) Antibody, Rabbit Polyclonal

Cat#: R2182-2

Quantity: 100 ul

Predicted | Observed M.W.: 71 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: Q9H0H5

Background:

RACGAP1 is a 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. RACGAP1 plays key roles in controlling cell growth and differentiation of hematopoietic cells through mechanisms other than regulating Rac GTPase activity. RACGAP1 is also involved in the regulation of growth-related processes in adipocytes and myoblasts. RACGAP1 may be involved in regulating spermatogenesis and in the RACGAP1 pathway in neuronal proliferation. RACGAP1 shows strong GAP (GTPase activation) activity towards CDC42 and RAC1 and less towards RHOA. RACGAP1 is essential for the early stages of embryogenesis. RACGAP1 may play a role in regulating cortical activity through RHOA during cytokinesis. RACGAP1 may participate in the regulation of sulfate transport in male germ cells.

Other Names:

Rac GTPase-activating protein 1, Male germ cell RacGap, Protein CYK4 homolog, CYK4, HsCYK-4, KIAA1478, MGCRACGAP

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing C-terminal region of human RACGAP1. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human

Tested Applications:

WB: 1:1,000-1:3,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

**For research use only. Not for therapeutic or diagnostic purposes.
Abiocode, Inc., 29397 Agoura Rd., Ste 106, Agoura Hills, CA 91301**

Product Data:

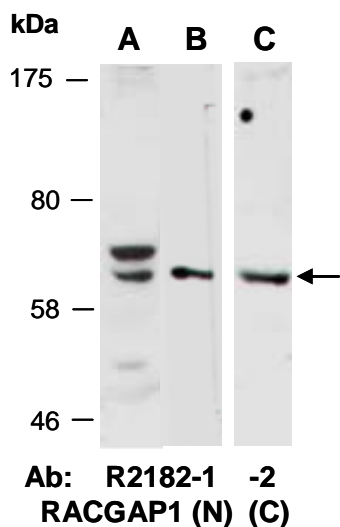


Fig 1. Western blot of total cell extracts from A) mouse thymus; B, C) human Jurkat; using 2 independent Abs against 2 distinct regions of human RACGAP1 at RT for 2 h.