

anti- RACGAP1 antibody

Product Information

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| Catalog No.: | FNab07070 |
| Size: | 100µg |
| Form: | liquid |
| Purification: | Immunogen affinity purified |
| Purity: | ≥95% as determined by SDS-PAGE |
| Host: | Rabbit |
| Clonality: | polyclonal |
| Clone ID: | None |
| IsoType: | IgG |
| Storage: | PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.) |

Background

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 RacGTPase 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.

Immunogen information

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| Immunogen: | RacGTPase activating protein 1 |
| Synonyms: | HsCYK 4, ID GAP, KIAA1478, Male germ cell RacGap, MgcRacGAP, RACGAP1 |
| Observed MW: | 71 kDa |
| UniprotID : | Q9H0H5 |

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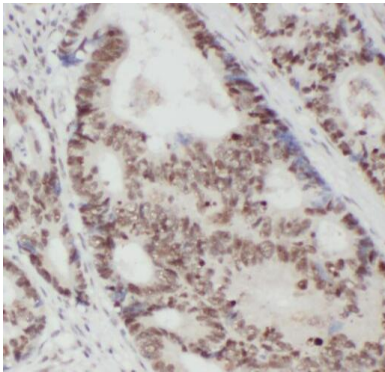
Application

Reactivity: Human, Mouse

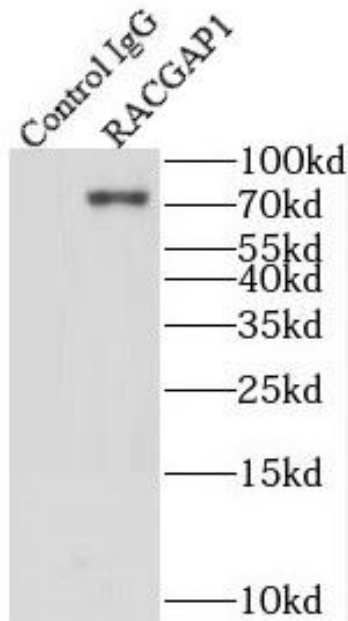
Tested Application: ELISA, IHC, IF, WB, IP

Recommended dilution: WB: 1:500-1:2000; IP: 1:200-1:1000; IHC: 1:20-1:200; IF: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human colon cancer tissue slide using FNab07070(RACGAP1 Antibody) at dilution of 1:200 heat mediated antigen retrieved with Tris-EDTA buffer(pH9).



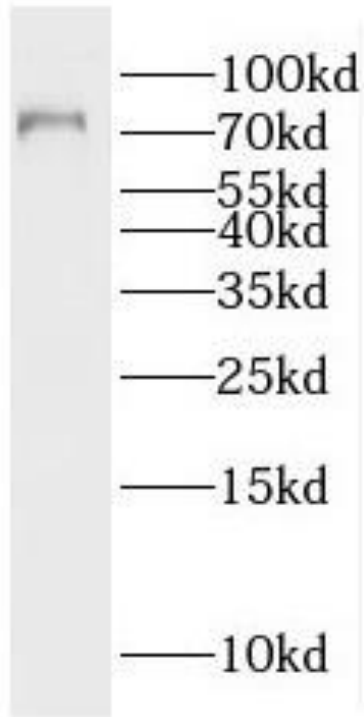
IP Result of anti-RACGAP1 (IP:FNab07070, 4ug; Detection:FNab07070 1:500) with mouse testis tissue lysate 4000ug.

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K-562 cells were subjected to SDS PAGE followed by western blot with FNab07070(RACGAP1 Antibody) at dilution of 1:600