

## Product datasheet for **TA302684**

### **RACGAP1 Goat Polyclonal Antibody**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	FC, IF, IHC, WB
<b>Recommended Dilution:</b>	WB: 0.2-1µg/ml.
<b>Reactivity:</b>	Human (Expected from sequence similarity: Dog, Cow)
<b>Host:</b>	Goat
<b>Isotype:</b>	IgG
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	Peptide with sequence C-GRQGNFFASPMLK, from the C Terminus of the protein sequence according to NP_037409.1.
<b>Formulation:</b>	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	70.8 kDa
<b>Gene Name:</b>	Rac GTPase activating protein 1
<b>Database Link:</b>	<a href="#">NP_037409</a> <a href="#">Entrez Gene 486549 Dog</a> <a href="#">Entrez Gene 29127 Human</a> <a href="#">Q9H0H5</a>



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**Background:**

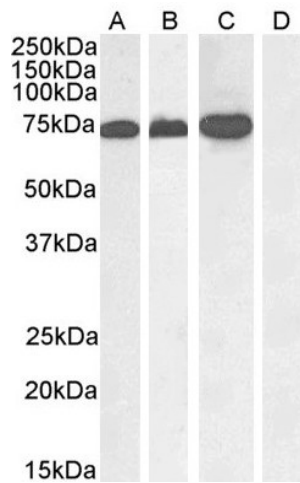
Rho GTPases control a variety of cellular processes. There are 3 subtypes of Rho GTPases in the Ras superfamily of small G proteins: RHO (see MIM 165370), RAC (see RAC1; MIM 602048), and CDC42 (MIM 116952). GTPase-activating proteins (GAPs) bind activated forms of Rho GTPases and stimulate GTP hydrolysis. Through this catalytic function, Rho GAPs negatively regulate Rho-mediated signals. GAPs may also serve as effector molecules and play a role in signaling downstream of Rho and other Ras-like GTPases. [supplied by OMIM]

**Synonyms:**

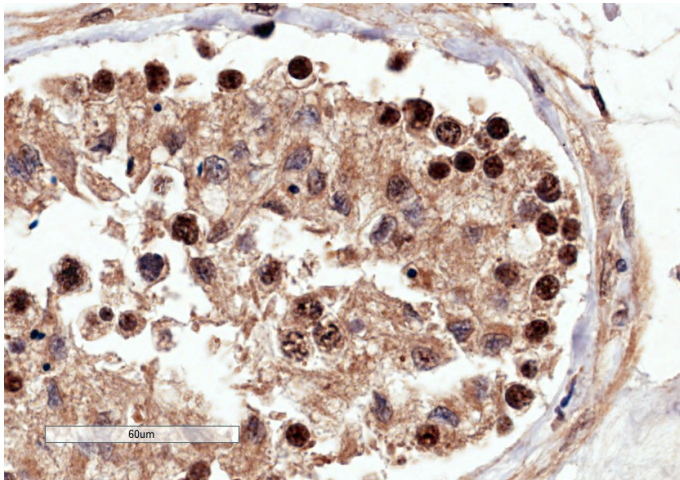
CYK4; HsCYK-4; ID-GAP; MgcRacGAP

**Protein Families:**

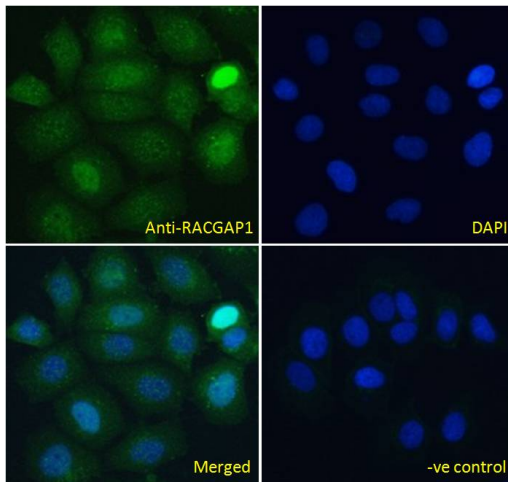
Druggable Genome

**Product images:**


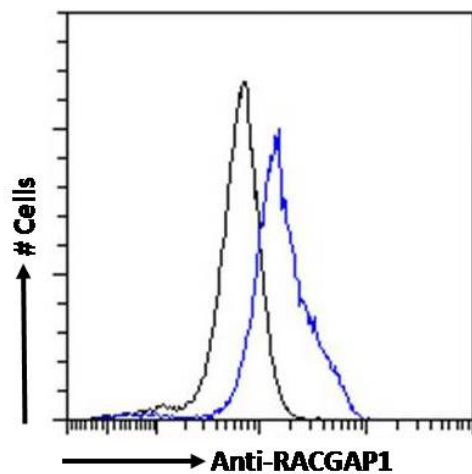
TA302684 (1ug/ml) staining of A431 nuclear (A), Jurkat (B), Jurkat nuclear (C) and negative control Human Pancreas (D) lysate. (35ug protein in RIPA buffer) Detected by chemiluminescence.



TA302684 (4ug/ml) staining of paraffin embedded Human Testis. Microwaved antigen retrieval with Tris/EDTA buffer pH9, HRP-staining.



TA302684 Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml).



TA302684 Flow cytometric analysis of paraformaldehyde fixed MCF7 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.