

## Product datasheet for **AP53556PU-N**

### **RACGAP1 (N-term) Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	FC, IF, IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/1000. <b>Western Blot:</b> 1/100-1/500. <b>Flow Cytometry:</b> 1/10-1/50. <b>Immunofluorescence:</b> 1/10-1/50. <b>Immunohistochemistry on Paraffin Sections:</b> 1/50-1/100.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 30-58 amino acids from the N-terminal region of Human RACGAP1
Specificity:	This antibody recognizes Human RACGAP1 (N-term).
Formulation:	PBS State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	Rac GTPase activating protein 1
Database Link:	<a href="#">Entrez Gene 29127 Human 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.

**Synonyms:**

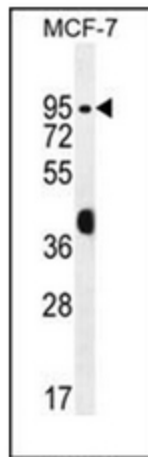
MGCRCAGAP, KIAA1478

**Note:**

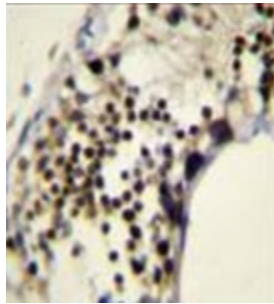
**Molecular Weight:** 71027 Da

**Protein Families:**

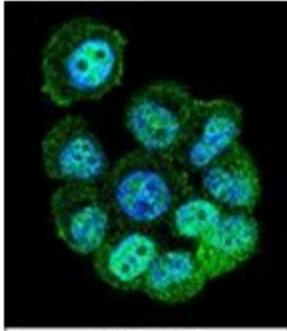
Druggable Genome

**Product images:**

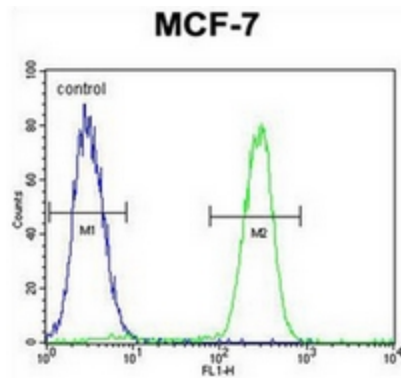
Western blot analysis of RACGAP1 Antibody (N-term) in MCF-7 cell line lysates (35ug/lane). This demonstrates the RACGAP1 antibody detected the RACGAP1 protein (arrow)



Formalin fixed, paraffin embedded human testis tissue stained with RACGAP1 Antibody (N-term) followed by peroxidase conjugation of the secondary antibody and DAB staining.



Confocal immunofluorescent analysis of RACGAP1 Antibody (N-term) with MCF-7 cell followed by Alexa Fluor 488-conjugated Goat anti-Rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



Flow Cytometric analysis of MCF-7 cells using RACGAP1 Antibody (N-term) (right histogram) compared to a Negative Control cell (left histogram). FITC-conjugated Goat-anti-Rabbit secondary antibodies were used for the analysis.