

## Product datasheet for **TA308788**

### RACGAP1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	ICC/IF:1:100-1:1000; IHC:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human, Mouse (Predicted: Rat)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment corresponding to a region within amino acids 1 and 202 of RACGAP1 (Uniprot ID#Q9H0H5)
Formulation:	0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration:	lot specific
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	71 kDa
Gene Name:	Rac GTPase activating protein 1
Database Link:	<a href="#">NP_001119576</a> <a href="#">Entrez Gene 26934 Mouse</a> <a href="#">Entrez Gene 315298 Rat</a> <a href="#">Entrez Gene 29127 Human</a> <a href="#">Q9H0H5</a>
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

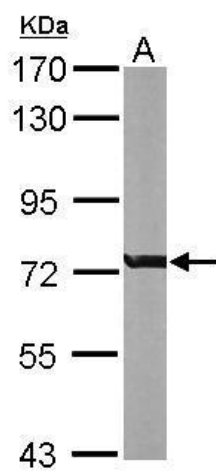


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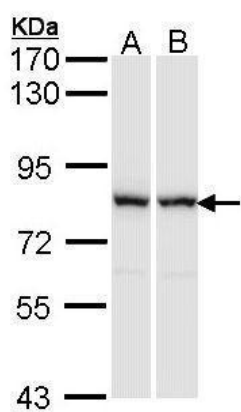
Note: Seq homology of immunogen across species: Rat (84%)

Protein Families: Druggable Genome

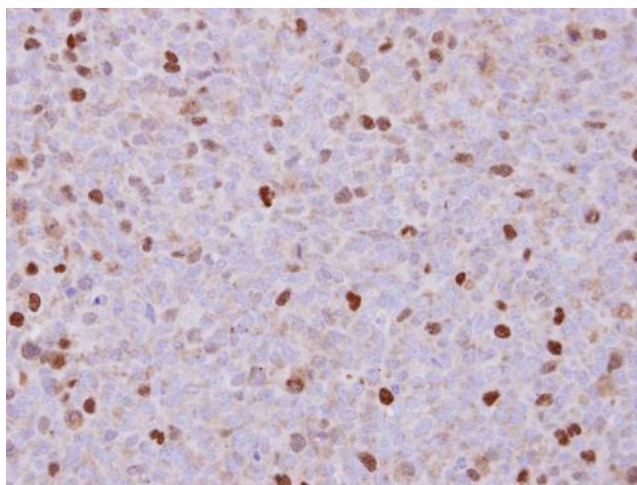
### Product images:



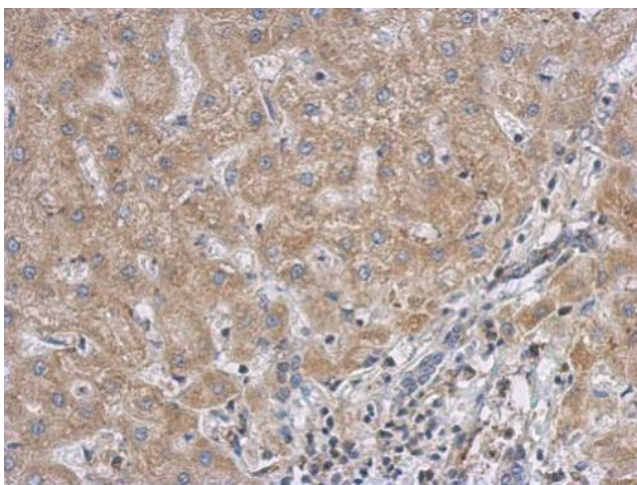
Sample (50 ug of whole cell lysate). A: mouse heart. 7.5% SDS PAGE. TA308788 diluted at 1:1000.



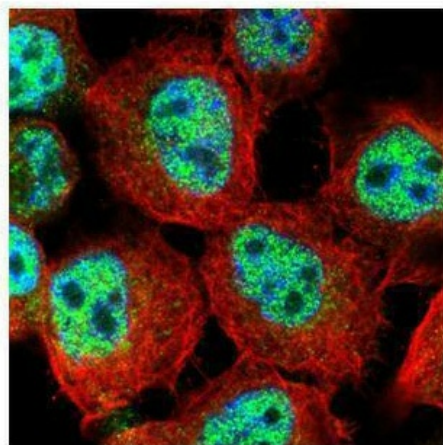
Sample (30 ug of whole cell lysate). A: A431. B: Raji. 7.5% SDS PAGE. TA308788 diluted at 1:1000.



Immunohistochemical analysis of paraffin-embedded H1299 xenograft, using RACGAP1 (TA308788) antibody at 1:500 dilution.



Immunohistochemical analysis of paraffin-embedded Hepatoma, using RACGAP1 (TA308788) antibody at 1:500 dilution.



Confocal immunofluorescence analysis (Olympus FV10i) of paraformaldehyde-fixed A431, using RACGAP1 (TA308788) antibody (Green) at 1:500 dilution. Alpha-tubulin filaments were labeled with anti-alpha tubulin antibody (Red) at 1:2000.