

Datasheet for ABIN184690 anti-RACGAP1 antibody (C-Term)



[Go to Product page](#)

7 Images

Overview

Quantity:	100 µg
Target:	RACGAP1
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This RACGAP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Purpose:	RACGAP1 / MgcRacGAP
Immunogen:	Peptide with sequence C-GRQGNFFASPMK, from the C Terminus of the protein sequence according to NP_037409.2, NP_001119576.1, NP_001119575.1.
Sequence:	GRQGNFFASP MLK
Isotype:	IgG
Specificity:	This antibody is expected to recognize all reported isoforms (NP_037409.2, NP_001306934.1, NP_001306935.1, NP_001306936.1). Reported variants represent identical protein: NP_001306928.1, NP_001119576.1, NP_037409.2, NP_001306931.1, NP_001306929.1, NP_0011
Cross-Reactivity:	Cow, Dog, Human

Product Details

Purification: Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Grade: Verified

Target Details

Target: RACGAP1

Alternative Name: RACGAP1 ([RACGAP1 Products](#))

Background: RACGAP1, MgcRacGAP, Rac GTPase activating protein 1, ID-GAP, MGCRCACGAP, GTPase activating protein, HsCYK-4, HsCYK-4

Gene ID: 29127

NCBI Accession: [NP_037409](#), [NP_001306934](#), [NP_001306935](#), [NP_001306936](#)

Pathways: [Regulation of Actin Filament Polymerization](#), [Myometrial Relaxation and Contraction](#), [Regulation of G-Protein Coupled Receptor Protein Signaling](#), [Signaling of Hepatocyte Growth Factor Receptor](#)

Application Details

Application Notes: Immunohistochemistry: In paraffin embedded Human Testis, shows nuclear staining of many cells. Recommended concentration: 1 µg/mL.
Western Blot: Approx 75 kDa band observed in lysates of cell line Jurkat, and in nuclear lysates of cell lines A431 and Jurkat (calculated MW of 71.0 kDa according to NP_037409.2).
Recommended concentration: 0.3-1 µg/mL. Primary incubation 1 hour at room te
Peptide ELISA: antibody detection limit dilution 1:32000.

Comment: **Immunofluorescence:** Strong expression of the protein seen in the cytoplasm of MCF7 cells.
Recommended concentration: 10µg/ml.
Flow Cytometry: Flow cytometric analysis of MCF7 cells. Recommended concentration: 10ug/ml.<

Restrictions: For Research Use only

Handling

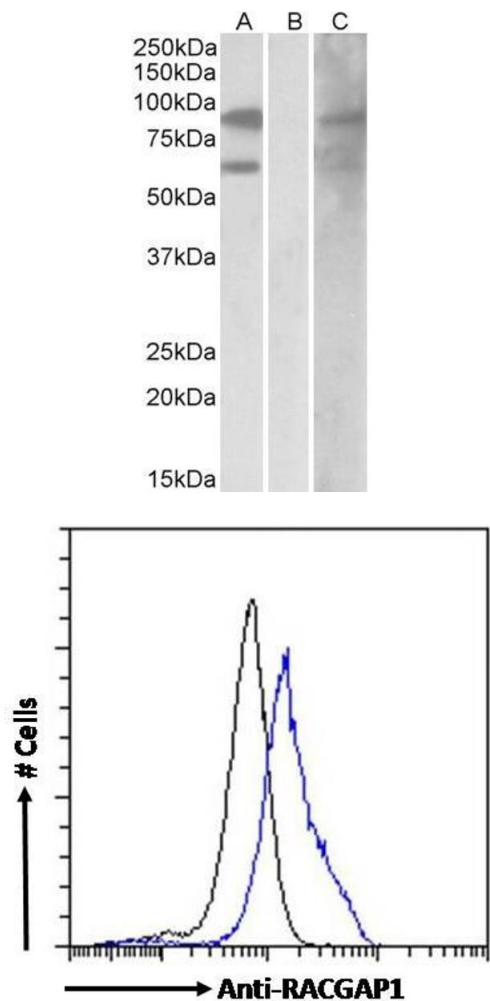
Format: Liquid

Concentration: 0.5 mg/mL

Handling

Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Images

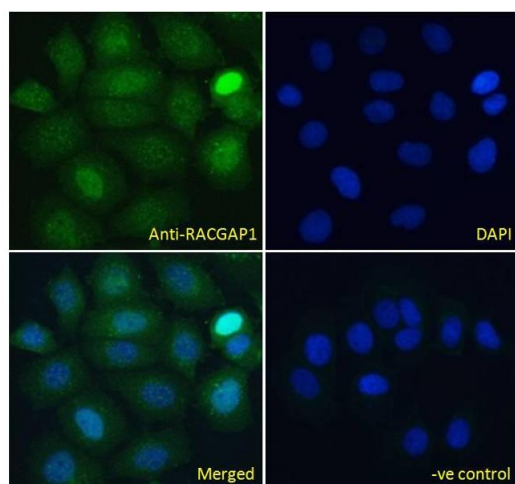


Western Blotting

Image 1. HEK293 lysate (10ug protein in RIPA buffer) overexpressing Human RACGAP1 with DYKDDDDK tag probed with ABIN184690 (0.5ug/ml) in Lane A and probed with anti- DYKDDDDK Tag (1/500) in lane C. Mock-transfected HEK293 probed with ABIN184690 (1mg/ml) in Lane B. Primary incubations were for 1 hour. Detected by chemiluminescence.

Flow Cytometry

Image 2. ABIN184690 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.



Immunofluorescence

Image 3. ABIN184690 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 (2ug/ml).

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN184690.