

International Office

Everest Biotech Ltd

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

Customer Service:

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

EB05315-T - Goat Anti-RACGAP1 / MgcRacGAP Antibody - Trial

Size: 20µg specific antibody in 40µl



Target Protein

Principal Names: RACGAP1, MgcRacGAP, Rac GTPase activating protein 1, ID-GAP,

MGCRACGAP, GTPase activating protein, HsCYK-4, HsCYK-4

Official Symbol: RACGAP1

Accession Number(s): NP_037409.2; NP_001306934.1; NP_001306935.1;

NP 001306936.1

Human GeneID(s): 29127

Important Comments: 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_001119575.1, NP_001306932.1,

NP_001306930.1, NP_001306933.1

Immunogen

Peptide with sequence C-GRQGNFFASPMLK, from the C Terminus of the protein sequence according to NP_037409.2; NP_001306934.1; NP_001306935.1; NP_001306936.1.

Please note the peptide is available for sale.

Purification and Storage

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.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:32000.

Western blot: Approx 75kDa band observed in lysates of cell line Jurkat, and in nuclear lysates of cell lines A431 and Jurkat (calculated MW of 71.0kDa according to NP_037409.2). Recommended concentration: 0.3-1µg/ml. Primary incubation 1 hour at room temperature. **Negative Control:** Human Pancreas lysate.

IHC: In paraffin embedded Human Testis, shows nuclear staining of many cells.

Recommended concentration: 1µg/ml.

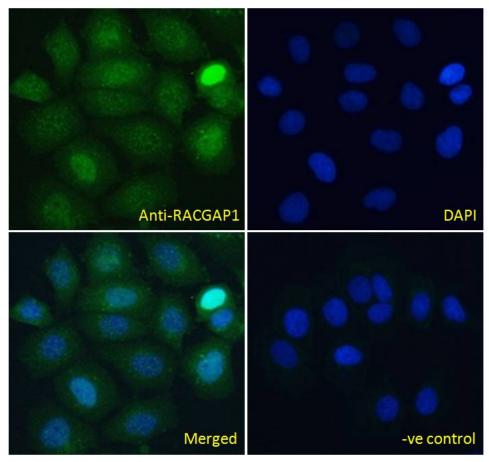
Immunofluorescence: Strong expression of the protein seen in the cytoplasm of MCF7 cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of MCF7 cells. Recommended concentration: 10ug/ml.

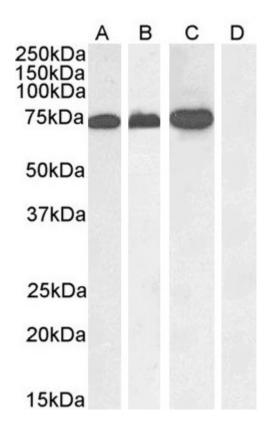
Species Reactivity

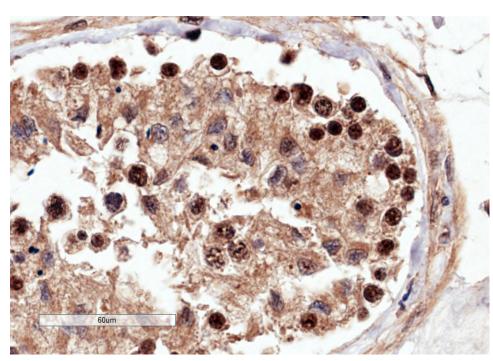
Tested: Human

Expected from sequence similarity: Human, Dog, Cow

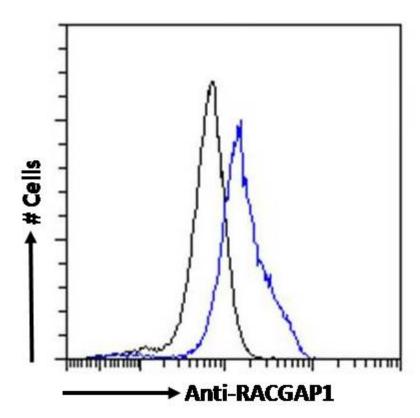


EB05315 Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml).





EB05315 (4µg/ml) staining of paraffin embedded Human Testis. Microwaved antigen retrieval with Tris/EDTA buffer pH9, HRP-staining.



EB05315 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.