

International Office

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

Customer Service: <u>customerservice@vectorlabs.com</u> Technical Service: <u>technical@vectorlabs.com</u>

Tel: +1 (800) 227-6666

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

EB06368 - Goat Anti-RGS14 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: RGS14, regulator of G-protein signalling 14, regulation of G protein signaling 14 Official Symbol: RGS14 Accession Number(s): NP_006471.2; NP_001353546.1 Human GenelD(s): 10636

Immunogen

Peptide with sequence C-IGGSLNSTTDSAL, from the C Terminus of the protein sequence according to NP_006471.2; NP_001353546.1.

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 1:16000.

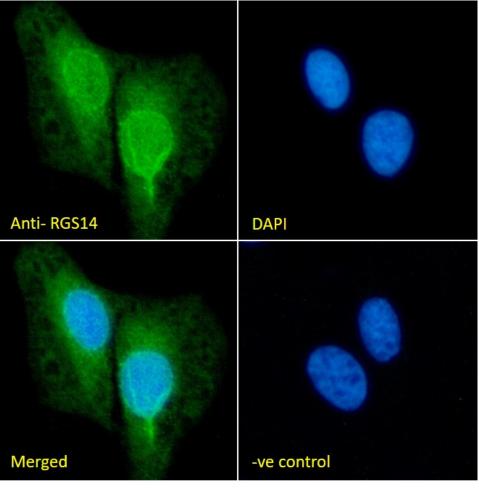
Western blot: Preliminary testing showed a band at approx. 70kDa in Daudi and THP-1 cell lysate after 1-3ug/ml antibody staining. (calculated MW of 61.4kDa according to NP_006471.2). This molecular weight is observed by other sources. Primary incubation 1 hour at room temperature.

Immunofluorescence: Strong expression of the protein seen in the nuclei and cytoplasm of U2OS cells. Recommended concentration: 10µg/ml.

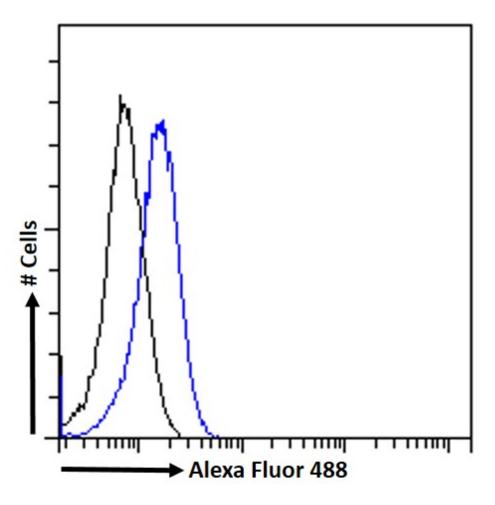
Flow Cytometry: Flow cytometric analysis of U2OS cells. Recommended concentration: 10ug/ml.

Species Reactivity

Tested: Human Expected from sequence similarity: Human



EB06368 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB06368 Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.