

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.

EB05571 - Goat Anti-GATA1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: GATA1, GATA binding protein 1 (globin transcription factor 1), GF1,

NFE1, ERYF1

Official Symbol: GATA1

Accession Number(s): NP_002040.1

Human GeneID(s): 2623

Immunogen

Peptide with sequence C-PTTSTTVVAPLSS, from the C Terminus of the protein sequence according to NP_002040.1.

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 50kDa band observed in nuclear lysates of cell line K562 (calculated MW of 42.8kDa according to NP_002040.1). The observed molecular weight corresponds to different antibodies from other sources and was successfully blocked by incubation with the immunizing peptide. Recommended concentration: 1-3μg/ml. Primary incubation 1 hour at room temperature. **Negative Control:** Human Hippocampus lysate.

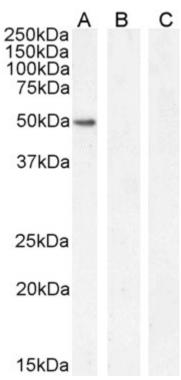
Immunofluorescence: Strong expression of the protein seen in the nuclei of HeLa cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of K562 cells. Recommended concentration: 10ug/ml.

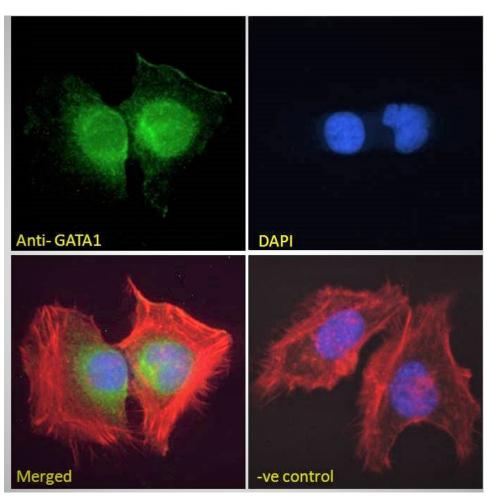
Species Reactivity

Tested: Human

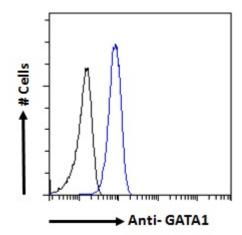
Expected from sequence similarity: Human



EB05571 (2μg/ml) staining of K562 nuclear cell lysate (A) + peptide (B) and negative control Human Hippocampus (C) lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.



EB05571 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear staining. Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control:



EB05571 Flow cytometric analysis of paraformaldehyde fixed K562 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.