

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.

EB10135 - Goat Anti-HEY2 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: bHLHb32, cardiovascular basic helix-loop-helix factor 1, CHF1, GRIDLOCK, GRL, hairy/enhancer-of-split related with YRPW motif 2, hairy-related transcription factor 2, HERP1, HESR2, HES-related repressor protein 1, HRT2,

MGC10720, OTTHUMP00000017138, HEY2

Official Symbol: HEY2

Accession Number(s): NP_036391.1

Human GeneID(s): 23493

Non-Human GenelD(s): 15214 (mouse), 155430 (rat)

Immunogen

Peptide with sequence HASESTPCRLSTTS, from the internal region of the protein sequence according to NP_036391.1.

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: Approx. 30kDa band observed in nuclear lysates of cell lines HeLa and HEK293 and in HEK293 whole cell lysate (calculated MW of 35.8kDa according to NP_036391.1). Recommended concentration: 2-3.5µg/ml. Primary incubation 1 hour at room temperature.

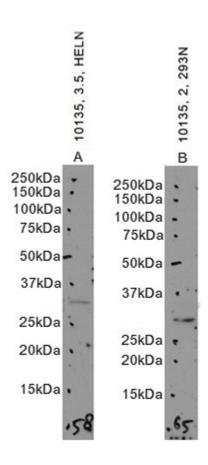
Immunofluorescence: Strong expression of the protein seen in the nuclei and cytoplasm of HEK293 cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of HEK293 cells. Recommended concentration: 10ug/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Cow



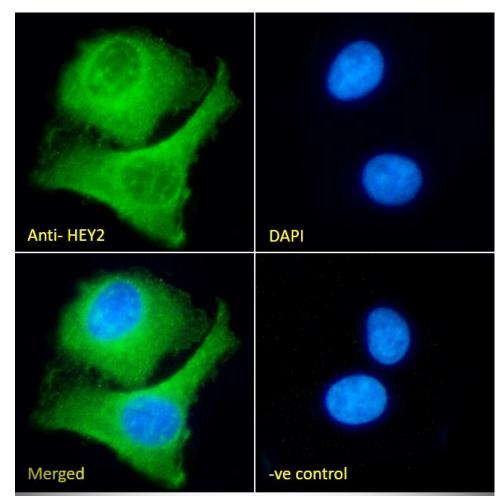
EB10135 optimised QC. Primary incubation 1 hour at room temperature.

Image A: HeLa nuclear cell lysate at primary Ab concentration 3.5ug/ml. Image B: HEK293 nuclear cell lysate at primary Ab concentration 2ug/ml. (Loaded 35µg protein in RIPA buffer, per lane). Detected by chemiluminescence.

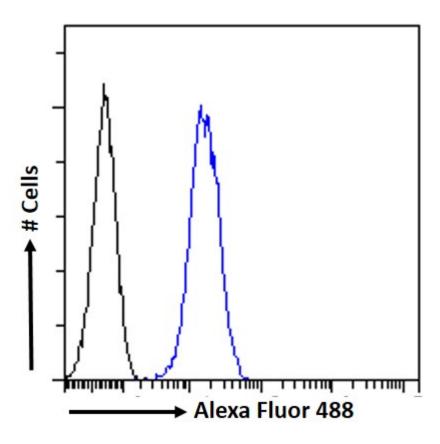


EB10135 optimised QC. Primary incubation 1 hour at room temperature.

Image A: HEK293 cell lysate at primary Ab concentration 2ug/ml. (Loaded 35µg protein in RIPA buffer, per lane). Detected by chemiluminescence.



EB10135 Immunofluorescence analysis of paraformaldehyde fixed HEK293 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).



EB10135 Flow cytometric analysis of paraformaldehyde fixed HEK293 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.