

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.

EB06803-T - Goat Anti-VDR Antibody - Trial

Size: 20µg specific antibody in 40µl



Target Protein

Principal Names: VDR, vitamin D (1,25- dihydroxyvitamin D3) receptor, HGNC:12679,

NR1I1, vitamin D (1,25-dihydroxyvitamin D3) receptor

Official Symbol: VDR

Accession Number(s): NP_000367.1; NP_001017535.1;

NP_001351014.1;NP_001017536.1

Human GeneID(s): 7421

Non-Human GenelD(s): 22337 (mouse), 24873 (rat)

Immunogen

Peptide with sequence CGNQDYKYRVSD, from the internal region of the protein sequence according to NP_000367.1; NP_001017535.1;

NP_001351014.1;NP_001017536.1.

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 55kDa band observed in Human Placenta and Duodenum lysates and approx. 55-60kDa in lysates of cell line U937 (calculated MW of 55.2kDa according to NP_001351014.1). Recommended concentration: 2-3µg/ml. Primary incubation 1 hour at room temperature.

Flow Cytometry: Flow cytometric analysis of U937 cells. Recommended concentration: 10ug/ml.

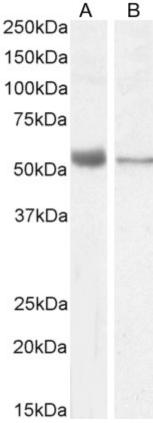
Species Reactivity

Tested: Human

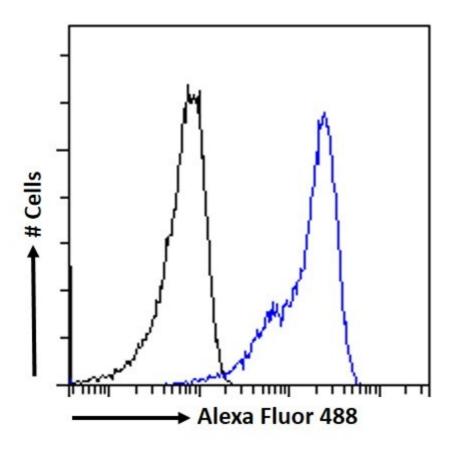
Expected from sequence similarity: Human, Mouse, Rat, Dog



 $EB06803\ (3\mu g/ml)\ staining\ of\ U937\ cell\ lysate\ (35\mu g\ protein\ in\ RIPA\ buffer.\ Detected\ by\ chemiluminescence.$



EB06803 (3μg/ml) staining of Human Placenta (A) and (2μg/ml) Duodenum (B) lysate (35μg protein in RIPA buffer. Detected by chemiluminescence.



EB06803 Flow cytometric analysis of paraformaldehyde fixed U937 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.