

#### **International Office**

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Research Use Only. Not for diagnostic or therapeutic use.

# EB06803 - Goat Anti-VDR Antibody

Size: 100µg specific antibody in 200µl



### **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.

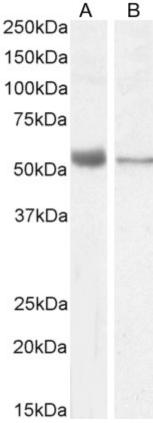
#### **Species Reactivity**

Tested: Human

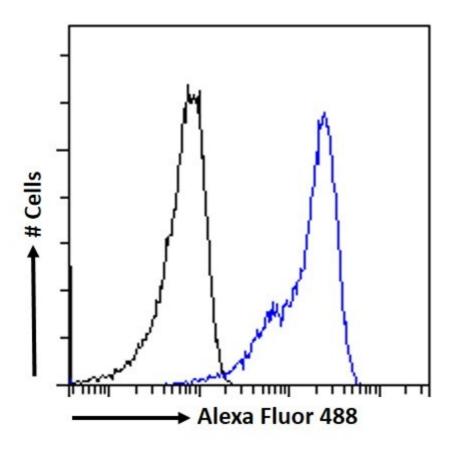
Expected from sequence similarity: Human, Mouse, Rat, Dog



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



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.