

#### **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.

# EB10749 - Goat Anti-RORC (aa200-212) Antibody

Size: 100µg specific antibody in 200µl



### **Target Protein**

**Principal Names:** RORC, RAR-related orphan receptor C, MGC129539, NR1F3, RORG, RZR-GAMMA, RZRG, TOR, RAR-related orphan receptor C, isoform a, nuclear receptor ROR-gamma, nuclear receptor RZR-gamma, nuclear receptor subfamily 1 group F me

Official Symbol: RORC

Accession Number(s): NP\_005051.2; NP\_001001523.1

Human GeneID(s): 6097

Non-Human GenelD(s): 19885 (mouse)

Important Comments: This antibody is expected to recognize both reported isoforms

(NP\_005051.2; NP\_001001523.1).

### **Immunogen**

Peptide with sequence CHLEYSPERGKAE, from the internal region of the protein sequence according to NP\_005051.2; NP\_001001523.1.

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 55-60kDa band observed in Human Colon, Liver and Testis lysates (calculated MW of 55.8kDa according to NP\_001001523.1 and 58.2kDa according to NP\_005051.2). Recommended concentration: 0.01-0.1ug/ml. Primary incubation 1 hour at room temperature.

Immunofluorescence: Strong expression of the protein seen in U2OS cells.

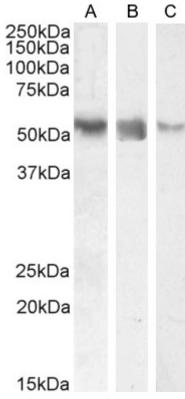
Recommended concentration: 10µg/ml.

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

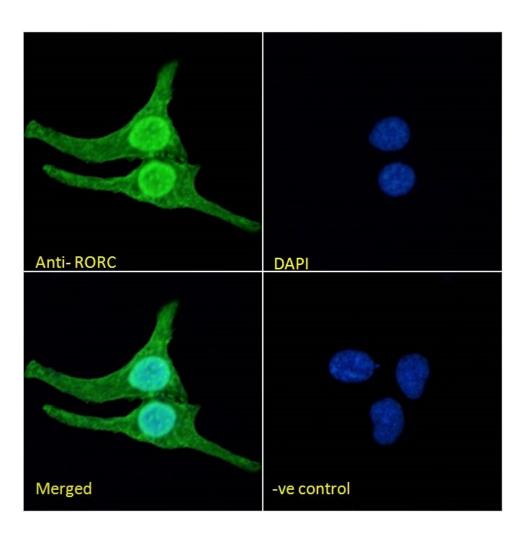
## **Species Reactivity**

Tested: Human

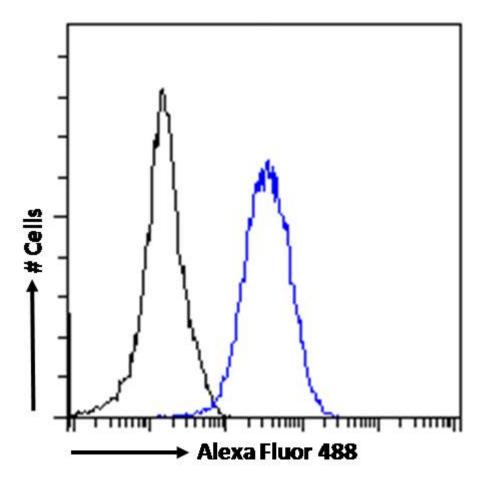
Expected from sequence similarity: Human, Mouse, Dog, Cow



EB10749 (0.1μg/ml) staining of Human Colon (A), (0.03ug/ml) Liver (B) and (0.01ug/ml) Testes (C) lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.



EB10749 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, cytoplasmic and plasma membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB10749 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.