

#### **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.

# EB07378 - Goat Anti-SOX2 Antibody

Size: 100µg specific antibody in 200µl



## **Target Protein**

**Principal Names:** SOX2, SRY (sex determining region Y)-box 2, ANOP3, MGC2413, SRY-related HMG-box gene 2, sex-determining region Y-box 2, transcription factor SOX2

Official Symbol: SOX2

Accession Number(s): NP\_003097.1

Human GeneID(s): 6657

#### **Immunogen**

Peptide with sequence YNMMETELKPPGPQQ-C, from the N Terminus of the protein sequence according to NP\_003097.1.

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 40kDa band observed in HEK293 and MCF7 cell lysates and in nuclear lysates of cell line MCF7 (calculated MW of 34.3kDa according to )NP\_003097.1). This molecular weight is routinely observed by other sources. Recommended concentration: 0.1-0.3µg/ml. Primary incubation 1 hour at room temperature.

Flow Cytometry: Flow cytometric analysis of HEK293 cells. Recommended

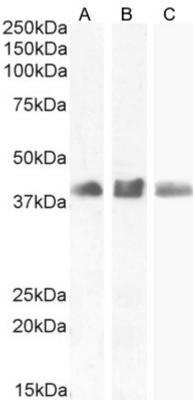
IHC: Paraffin embedded Human Tonsil. Recommended concentration: 6-8µg/ml.

concentration: 10ug/ml.

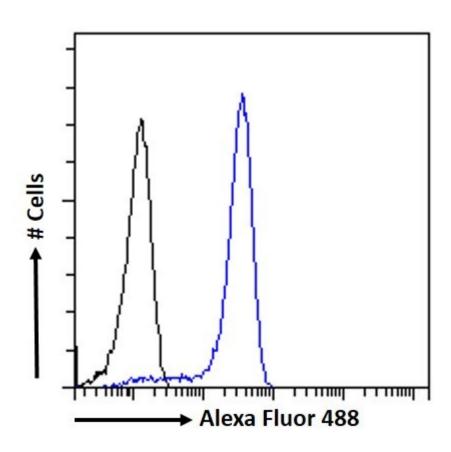
### **Species Reactivity**

Tested: Human

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

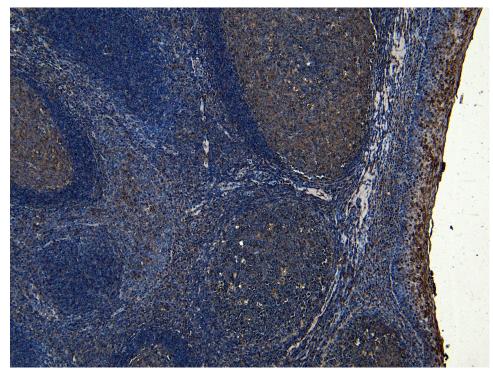


EB07378 (0.3μg/ml) staining of MCF7 (A) HEK293 (B) and MCF7 nuclear (C) cell lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.

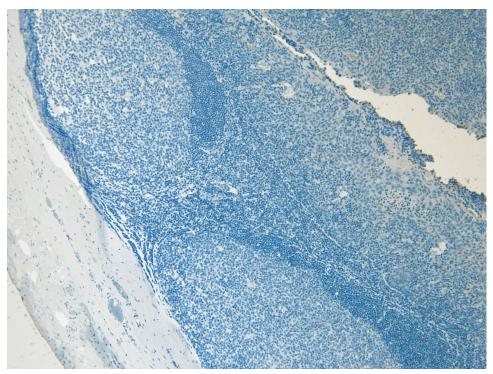


EB07378 Flow cytometric analysis of paraformaldehyde fixed HEK293 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control:

Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



EB07378 (8 $\mu$ g/ml) staining of paraffin embedded Human Tonsil. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB07378 Negative Control showing staining of paraffin embedded Human Tonsil, with no primary antibody.