

### **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

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# EB07264 - Goat Anti-TAK1 / MAP3K7 Antibody

Size: 100µg specific antibody in 200µl



### **Target Protein**

**Principal Names:** MAP3K7, TAK1, mitogen-activated protein kinase kinase kinase 7, TGF1a, TGF-beta activated kinase 1, transforming growth factor-beta-activated kinase 1

Official Symbol: MAP3K7

Accession Number(s): NP\_003179.1; NP\_663304.1

Human GeneID(s): 6885

Non-Human GeneID(s): 26409 (mouse)

Important Comments: This antibody is expected to recognise isoform A (NP\_003179.1)

and isoform B (NP\_663304.1).

### Immunogen

Peptide with sequence C-AELDQDEKDQQNT, from the internal region of the protein sequence according to NP\_003179.1; NP\_663304.1.

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 1:8000.

**Western blot:** Approx 75kDa band observed in lysates of cell lines HeLa, Daudi and NIH3T3, and approx. 80kDa in lysates of cell line U937 (calculated MW of 67.2 according to Human NP\_663304.1 and Mouse NP\_033342.1). This molecular weight is routinely observed by other sources. Recommended concentration: 1-3µg/ml. Primary incubation 1 hour at room temperature.

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

### **Species Reactivity**

Tested: Human, Mouse

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

### **Specific Reference**

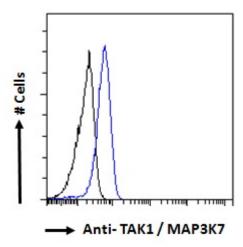
PMID: 0



EB07264 (1μg/ml) staining of HeLa (A) and U937 (B) and (2ug/ml) Daudi (C) cell lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.



 $EB07264\ (2\mu g/ml)\ staining\ of\ NIH3T3\ cell\ lysate\ (35\mu g\ protein\ in\ RIPA\ buffer).\ Detected\ by\ chemiluminescence.$ 



EB07264 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.