

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## 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.

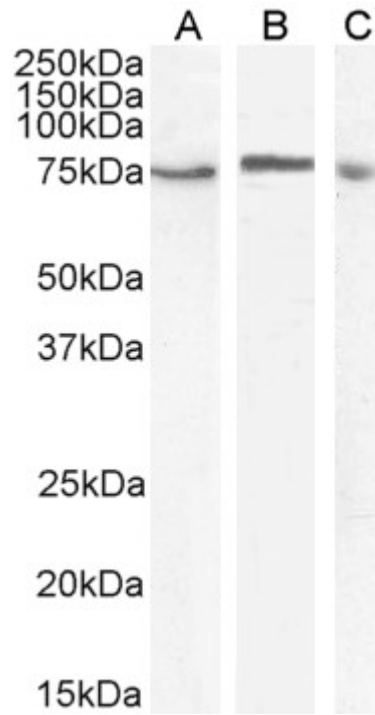
### Species Reactivity

**Tested:** Human, Mouse

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

### Specific Reference

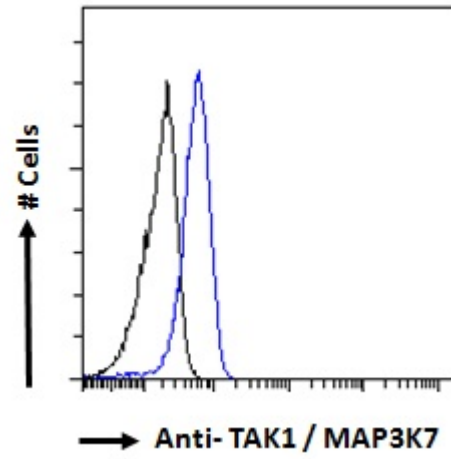
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EB07264 (1 $\mu$ g/ml) staining of HeLa (A) and U937 (B) and (2 $\mu$ g/ml) Daudi (C) cell lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



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.