

# Phospho-TAK1-S439 Rabbit mAb

Catalog No.: A9437

Recombinant

2 Publications

## Basic Information

### Observed MW

75kDa

### Calculated MW

67kDa

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Mouse

### CloneNo number

ARC2714

## Background

The protein encoded by this gene is a member of the serine/threonine protein kinase family. This kinase mediates the signaling transduction induced by TGF beta and morphogenetic protein (BMP), and controls a variety of cell functions including transcription regulation and apoptosis. In response to IL-1, this protein forms a kinase complex including TRAF6, MAP3K7P1/TAB1 and MAP3K7P2/TAB2; this complex is required for the activation of nuclear factor kappa B. This kinase can also activate MAPK8/JNK, MAP2K4/MKK4, and thus plays a role in the cell response to environmental stresses. Four alternatively spliced transcript variants encoding distinct isoforms have been reported.

## Recommended Dilutions

WB 1:500 - 1:1000

## Immunogen Information

### Gene ID

6885

### Swiss Prot

O43318

### Immunogen

A synthetic phosphorylated peptide around S439 of human TAK1 (O43318).

### Synonyms

CSCF; FMD2; TAK1; MEKK7; TGF1a; Phospho-TAK1-S439

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

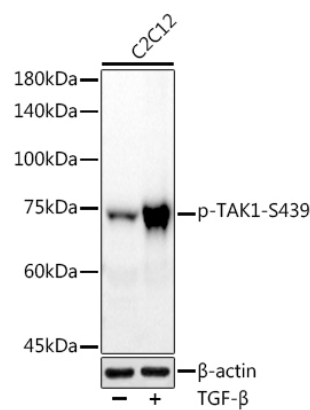
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using (A9437) at 1:1000 dilution. C2C12 cells were treated by TGF- $\beta$  (10 ng/ml) at 37°C for 30 minutes.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 $\mu$ g per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 90s.