

# Phospho-TAK1-T184/T187 Rabbit pAb

Catalog No.: AP1227 **2 Publications**

## Basic Information

### Observed MW

82kDa

### Calculated MW

67kDa

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Human

## 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 T184 & T187 of human TAK1 (NP\_003179.1).

### Synonyms

CSCF; FMD2; TAK1; MEKK7; TGF1a; Phospho-TAK1-T184/T187

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

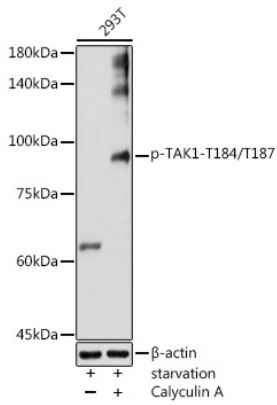
### Storage

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

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of lysates from 293T cells, using Phospho-TAK1-T184/T187 Rabbit pAb (AP1227) at 1:1000 dilution. 293T cells were treated by Calyculin A (100 nM) at 37°C for 30 minutes after serum-starvation overnight.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 180s.