# TAB1 Rabbit mAb

Catalog No.: A3306 Recombinant 1 Publications



## **Basic Information**

### **Observed MW**

55kDa

### **Calculated MW**

55kDa

### Category

Primary antibody

### **Applications**

WB,IF/ICC,ELISA

### **Cross-Reactivity**

Human, Mouse, Rat

#### CloneNo number

ARC1943

## **Background**

The protein encoded by this gene was identified as a regulator of the MAP kinase kinase kinase MAP3K7/TAK1, which is known to mediate various intracellular signaling pathways, such as those induced by TGF beta, interleukin 1, and WNT-1. This protein interacts and thus activates TAK1 kinase. It has been shown that the C-terminal portion of this protein is sufficient for binding and activation of TAK1, while a portion of the N-terminus acts as a dominant-negative inhibitor of TGF beta, suggesting that this protein may function as a mediator between TGF beta receptors and TAK1. This protein can also interact with and activate the mitogen-activated protein kinase 14 (MAPK14/p38alpha), and thus represents an alternative activation pathway, in addition to the MAPKK pathways, which contributes to the biological responses of MAPK14 to various stimuli. Alternatively spliced transcript variants encoding distinct isoforms have been reported.

## **Recommended Dilutions**

**WB** 1:500 - 1:2000

**IF/ICC** 1:50 - 1:200

 $\begin{array}{c} \textbf{ELISA} & \text{Recommended starting} \\ & \text{concentration is 1 } \mu\text{g/mL}. \end{array}$ 

Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

 Gene ID
 Swiss Prot

 10454
 Q15750

### **Immunogen**

Synthetic peptide. This information is considered to be commercially sensitive.

### **Synonyms**

3'-Tab1; MAP3K7IP1; TAB1

## **Contact**

<u>a</u>		400-999-6126
$\bowtie$		cn.market@abclonal.com.cr
$\overline{\Box}$	П	www.ahclonal.com.cr

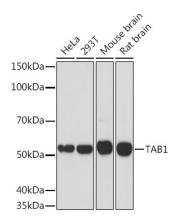
## **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

#### Storage

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

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

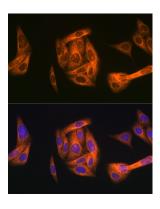


Western blot analysis of various lysates using TAB1 Rabbit mAb (A3306) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit lgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins:  $25\mu g$  per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90s.



Immunofluorescence analysis of U-2 OS cells using TAB1 Rabbit mAb (A3306) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.