# **TAB1 Rabbit Polyclonal Antibody**

### **CAB5749**

**Product Information** 



## Size: 20uL, 50uL, 100uL, 200uL **Observed MW:** 70kDa **Calculated MW:** 49kDa/54kDa reported. **Applications:** WB IF IP Gene ID: **Reactivity:** 10454 Human, Mouse Uniprot Q15750 **Antibody Information Recommended dilutions:** WB 1:500 - 1:2000 IF 1:10 -1:100 IP 1:50 - 1:200

Source: Rabbit

#### **Isotype:** lgG

**Purification:** 

Affinity purification

#### **Protein 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

### Immunogen information

## Synonyms:

TAB1; 3'-Tab1; MAP3K7IP1

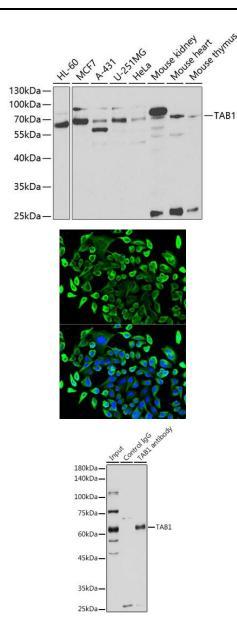
#### Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 205-504 of human TAB1 (NP\_006107.1).

#### Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## **Product Images**



Western blot analysis of extracts of various cell lines, using TAB1 antibody (CAB5749) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 90s.

Immunofluorescence analysis of U2OS cells using TAB1 antibody (CAB5749). Blue: DAPI for nuclear staining.

Immunoprecipitation analysis of 200ug extracts of HeLa cells using 3ug TAB1 antibody (CAB5749). Western blot was performed from the immunoprecipitate using TAB1 antibody (CAB5749) at a dilition of 1:1000.