

## TAB1 (Phospho-S438) polyclonal antibody

Catalog: BS64578

Host: Rabbit

Reactivity: Human,Mouse,Rat

### 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

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 60 kDa

### Swiss-Prot:

Q15750

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB:1:500~1:1000

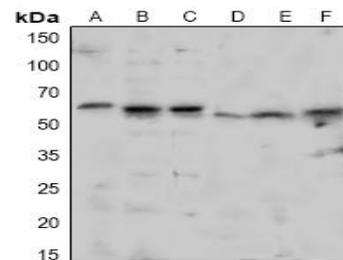
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

TAB1 (Phospho-S438) polyclonal antibody detects endogenous levels of TAB1 protein only when phosphorylated at Ser438.

### DATA:



Western blot (WB) analysis of TAB1 (Phospho-S438) polyclonal antibody at 1:500 dilution

LaneA:HeLa whole cell lysate

LaneB:HEK293T whole cell lysate

LaneC:MCF-7 whole cell lysate

LaneD:The Eye tissue lysate of Mouse

LaneE:The Brain tissue lysate of Mouse

LaneF:The Brain tissue lysate of Rat

### Note:

For research use only, not for use in diagnostic procedure.

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