



# TAB1

## Mouse monoclonal Antibody

### #53115

**Catalog Number:** 53115

**Amount:** 100µg/100µl

**Swiss-Prot No. :**Q15750

**Gene name:**tab1

**Gene id:**10454

**Clone Number:** 3D10-G10-B6

**Form of Antibody:**Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol

**Storage/Stability:** Store at -20°C/1 year

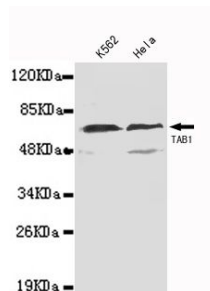
**Immunogen:** Purified recombinant human TAB1 protein fragments expressed in E.coli

**Purification:** affinity-chromatography

**Specificity/Sensitivity:**This antibody detects endogenous levels of TAB1 and does not cross-react with related proteins

**Reactivity:** Human,

**Applications:** Predicted MW: 55kd WB: 1:1000



Western blot detection of TAB1(N-terminus) in K562 and HeLa lysates using

TAB1(N-terminus) mouse mAb(1:1000 diluted).Predicted band size: 55KDa.Observed band size: 55KDa.

**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

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