

Product datasheet for **TA347060**

TAB1 Mouse Monoclonal Antibody [Clone ID: 3D10-G10-B6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	3D10-G10-B6
Applications:	WB
Recommended Dilution:	WB: 1:1000
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Immunogen:	The immunogen for TAB1 antibody: purified recombinant human TAB1(N-terminus) protein fragments expressed in E.coli.
Formulation:	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.02% sodium azide, 50% glycerol
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	55 kDa
Gene Name:	TGF-beta activated kinase 1/MAP3K7 binding protein 1
Database Link:	NP_006107 Entrez Gene 10454 Human Q15750



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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

Synonyms:

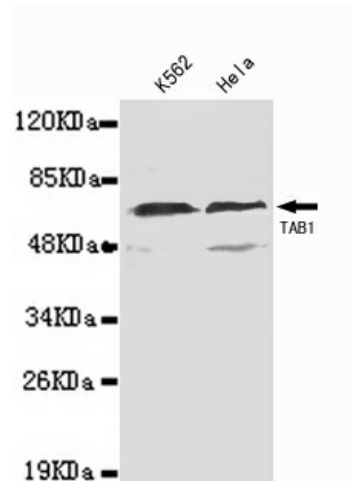
3-Tab1; 3'-Tab1; MAP3K7IP1

Protein Families:

Druggable Genome

Protein Pathways:

MAPK signaling pathway, NOD-like receptor signaling pathway, Toll-like receptor signaling pathway

Product images:

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.