



# TAB1 blocking peptide (CDBP6233)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	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. [provided by RefSeq, Jul 2008]
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<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Used as a blocking peptide in immunoblotting applications.
<b>Format</b>	Liquid
<b>Concentration</b>	200 µg/mL
<b>Size</b>	0.05 mg
<b>Preservative</b>	None
<b>Storage</b>	-20°C

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">TAB1 TGF-beta activated kinase 1/MAP3K7 binding protein 1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	TAB1

<b>Synonyms</b>	TAB1; TGF-beta activated kinase 1/MAP3K7 binding protein 1; 3'-Tab1; MAP3K7IP1; TGF-beta-activated kinase 1 and MAP3K7-binding protein 1; TAK1-binding protein 1; transforming growth factor beta-activated kinase-binding protein 1; mitogen-activated protein kinase kinase kinase 7-interacting protein 1
<b>Entrez Gene ID</b>	<a href="#">10454</a>
<b>mRNA Refseq</b>	<a href="#">NM_006116</a>
<b>Protein Refseq</b>	<a href="#">NP_006107</a>
<b>UniProt ID</b>	Q15750
<b>Pathway</b>	Activated TLR4 signalling; Cytokine Signaling in Immune system; Epstein-Barr virus infection; FCERI mediated NF-kB activation; Fc epsilon receptor (FCERI) signaling; Herpes simplex infection; IL1-mediated signaling events; IRAK2 mediated activation of TAK1 complex
<b>Function</b>	catalytic activity; enzyme activator activity; kinase activator activity; mitogen-activated protein kinase p38 binding; protein binding; protein complex binding