



TAB1 blocking peptide (CDBP6233)

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

PRODUCT INFORMATION

Antigen Description	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]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	TAB1 TGF-beta activated kinase 1/MAP3K7 binding protein 1 [Homo sapiens (human)]
Official Symbol	TAB1

Synonyms	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
Entrez Gene ID	10454
mRNA Refseq	NM_006116
Protein Refseq	NP_006107
UniProt ID	Q15750
Pathway	Activated TLR4 signalling; Cytokine Signaling in Immune system; Epstein-Barr virus infection; FCER1 mediated NF- κ B activation; Fc epsilon receptor (FCER1) signaling; Herpes simplex infection; IL1-mediated signaling events; IRAK2 mediated activation of TAK1 complex
Function	catalytic activity; enzyme activator activity; kinase activator activity; mitogen-activated protein kinase p38 binding; protein binding; protein complex binding
