



## TAB2 blocking peptide (CDBP6234)

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 is an activator of MAP3K7/TAK1, which is required for for the IL-1 induced activation of nuclear factor kappaB and MAPK8/JNK. This protein forms a kinase complex with TRAF6, MAP3K7 and TAB1, and it thus serves as an adaptor that links MAP3K7 and TRAF6. This protein, along with TAB1 and MAP3K7, also participates in the signal transduction induced by TNFSF11/RANKI through the activation of the receptor activator of NF-kappaB (TNFRSF11A/RANK), which may regulate the development and function of osteoclasts. Studies of the related mouse protein indicate that it functions to protect against liver damage caused by chemical stressors. Mutations in this gene cause congenital heart defects, multiple types, 2 (CHTD2). Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014]
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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="#">TAB2 TGF-beta activated kinase 1/MAP3K7 binding protein 2 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	TAB2

<b>Synonyms</b>	TAB2; TGF-beta activated kinase 1/MAP3K7 binding protein 2; CHTD2; TAB-2; MAP3K7IP2; TGF-beta-activated kinase 1 and MAP3K7-binding protein 2; TAK1-binding protein 2; mitogen-activated protein kinase kinase kinase 7-interacting protein 2
<b>Entrez Gene ID</b>	<a href="#">23118</a>
<b>mRNA Refseq</b>	<a href="#">NM_001292034</a>
<b>Protein Refseq</b>	<a href="#">NP_001278963</a>
<b>UniProt ID</b>	Q9NYJ8
<b>Pathway</b>	Activated TLR4 signalling; Adaptive Immune System; Cytokine Signaling in Immune system; Diurnally regulated genes with circadian orthologs; Downstream TCR signaling; Epstein-Barr virus infection; ErbB4 signaling events; FCER1 mediated NF-kB activation
<b>Function</b>	K63-linked polyubiquitin binding; protein binding; zinc ion binding