



MAP3K7 blocking peptide (CDBP6238)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is a member of the serine/threonine protein kinase family. This kinase mediates the signaling transduction induced by TGF beta and morphogenetic protein (BMP), and controls a variety of cell functions including transcription regulation and apoptosis. In response to IL-1, this protein forms a kinase complex including TRAF6, MAP3K7P1/TAB1 and MAP3K7P2/TAB2; this complex is required for the activation of nuclear factor kappa B. This kinase can also activate MAPK8/JNK, MAP2K4/MKK4, and thus plays a role in the cell response to environmental stresses. Four 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	MAP3K7 mitogen-activated protein kinase kinase kinase 7 [Homo sapiens (human)]
Official Symbol	MAP3K7
Synonyms	MAP3K7; mitogen-activated protein kinase kinase kinase 7; TAK1; MEKK7; TGF1a; TGF-beta activated kinase 1; TGF-beta-activated kinase 1; transforming growth factor-beta-activated

kinase 1

Entrez Gene ID	6885
mRNA Refseq	NM_003188
Protein Refseq	NP_003179
UniProt ID	O43318
Pathway	AMPK signaling pathway; Activated TLR4 signalling; Activation of NF-kappaB in B cells; Adaptive Immune System; Adherens junction; B Cell Receptor Signaling Pathway; BCR signaling pathway; BMP receptor signaling
Function	ATP binding; MAP kinase kinase activity; MAP kinase kinase kinase activity; magnesium ion binding; protein binding; protein kinase activity; protein serine/threonine kinase activity; protein serine/threonine kinase activity; scaffold protein binding