



# TRAF2 blocking peptide (CDBP6349)

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 a member of the TNF receptor associated factor (TRAF) protein family. TRAF proteins associate with, and mediate the signal transduction from members of the TNF receptor superfamily. This protein directly interacts with TNF receptors, and forms a heterodimeric complex with TRAF1. This protein is required for TNF-alpha-mediated activation of MAPK8/JNK and NF-kappaB. The protein complex formed by this protein and TRAF1 interacts with the inhibitor-of-apoptosis proteins (IAPs), and functions as a mediator of the anti-apoptotic signals from TNF receptors. The interaction of this protein with TRADD, a TNF receptor associated apoptotic signal transducer, ensures the recruitment of IAPs for the direct inhibition of caspase activation. BIRC2/c-IAP1, an apoptosis inhibitor possessing ubiquitin ligase activity, can ubiquitinate and induce the degradation of this protein, and thus potentiate TNF-induced apoptosis. Multiple alternatively spliced transcript variants have been found for this gene, but the biological validity of only one transcript has been determined. [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="#">TRAF2 TNF receptor-associated factor 2 [ Homo sapiens (human) ]</a>
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<b>Official Symbol</b>	TRAF2
<b>Synonyms</b>	TRAF2; TNF receptor-associated factor 2; TRAP; TRAP3; MGC:45012; E3 ubiquitin-protein ligase TRAF2; tumor necrosis factor type 2 receptor associated protein 3; tumor necrosis factor type 2 receptor-associated protein 3
<b>Entrez Gene ID</b>	<a href="#">7186</a>
<b>mRNA Refseq</b>	<a href="#">NM_021138</a>
<b>Protein Refseq</b>	<a href="#">NP_066961</a>
<b>UniProt ID</b>	Q12933
<b>Pathway</b>	Adipocytokine signaling pathway; Apoptosis; CD40/CD40L signaling; Caspase cascade in apoptosis; Caspase-8 activation by cleavage; Ceramide signaling pathway; Death Receptor Signalling; Dimerization of procaspase-8
<b>Function</b>	CD40 receptor binding; enzyme binding; identical protein binding; ligase activity; mitogen-activated protein kinase kinase kinase binding; protein binding; protein complex binding; protein phosphatase binding; signal transducer activity; sphingolipid binding; thioesterase binding; tumor necrosis factor receptor binding; ubiquitin protein ligase binding; ubiquitin-protein transferase activity; zinc ion binding