



# TRAF6 blocking peptide (CDBP6351)

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 TNF receptor associated factor (TRAF) protein family. TRAF proteins are associated with, and mediate signal transduction from, members of the TNF receptor superfamily. This protein mediates signaling from members of the TNF receptor superfamily as well as the Toll/IL-1 family. Signals from receptors such as CD40, TNFSF11/RANCE and IL-1 have been shown to be mediated by this protein. This protein also interacts with various protein kinases including IRAK1/IRAK, SRC and PKCzeta, which provides a link between distinct signaling pathways. This protein functions as a signal transducer in the NF-kappaB pathway that activates IkappaB kinase (IKK) in response to proinflammatory cytokines. The interaction of this protein with UBE2N/UBC13, and UBE2V1/UEV1A, which are ubiquitin conjugating enzymes catalyzing the formation of polyubiquitin chains, has been found to be required for IKK activation by this protein. This protein also interacts with the transforming growth factor (TGF) beta receptor complex and is required for Smad-independent activation of the JNK and p38 kinases. This protein has an amino terminal RING domain which is followed by four zinc-finger motifs, a central coiled-coil region and a highly conserved carboxyl terminal domain, known as the TRAF-C domain. Two alternatively spliced transcript variants, encoding an identical protein, have been reported. [provided by RefSeq, Feb 2012]

<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

Gene Name	<a href="#">TRAF6 TNF receptor-associated factor 6, E3 ubiquitin protein ligase [ Homo sapiens (human) ]</a>
Official Symbol	TRAF6
Synonyms	TRAF6; TNF receptor-associated factor 6, E3 ubiquitin protein ligase; RNF85; MGC:3310; TNF receptor-associated factor 6; RING finger protein 85; interleukin-1 signal transducer; E3 ubiquitin-protein ligase TRAF6
Entrez Gene ID	<a href="#">7189</a>
mRNA Refseq	<a href="#">NM_004620</a>
Protein Refseq	<a href="#">NP_004611</a>
UniProt ID	Q9Y4K3
Pathway	Activated TLR4 signalling; Adaptive Immune System; Apoptosis Modulation and Signaling; BCR signaling pathway; BDNF signaling pathway; CD40/CD40L signaling; Canonical NF-kappaB pathway; Cell death signalling via NRAGE
Function	histone deacetylase binding; ligase activity; mitogen-activated protein kinase kinase kinase binding; protein N-terminus binding; protein binding; protein kinase B binding; protein kinase binding; signal transducer activity; thioesterase binding; tumor necrosis factor receptor binding; ubiquitin conjugating enzyme binding; ubiquitin protein ligase binding; ubiquitin-protein transferase activity; ubiquitin-protein transferase activity; ubiquitin-protein transferase activity; zinc ion binding