



Human TRAF2 blocking peptide (CDBP3034)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-TRAF2 antibody
Antigen Description	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]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	TRAF2 TNF receptor-associated factor 2 [Homo sapiens]
Official Symbol	TRAF2
Synonyms	TRAF2; TNF receptor-associated factor 2; TRAP3; E3 ubiquitin-protein ligase TRAF2; tumor necrosis factor type 2 receptor associated protein 3; tumor necrosis factor type 2 receptor-associated protein 3; TRAP; MGC:45012;
Entrez Gene ID	7186
mRNA Refseq	NM_021138
Protein Refseq	NP_066961
UniProt ID	Q12933
Chromosome Location	9q34
Pathway	Activation of Pro-Caspase 8, organism-specific biosystem; Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Apoptosis, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Apoptosis, organism-specific biosystem;
Function	CD40 receptor binding; enzyme binding; identical protein binding; ligase activity; metal ion binding; protein binding; signal transducer activity; sphingolipid binding; ubiquitin-protein ligase activity; zinc ion binding;