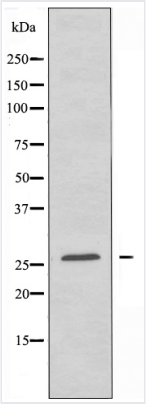
TNF12 Antibody

PRODUCT OVERVIEW

Product Name	TNF12, Antibody
Full Product Name	TNF12 Antibody
Product Gene Name	anti-TNF12 antibody
Product Synonym Names	Tumor necrosis factor ligand superfamily member 12; TNF-related weak inducer of apoptosis; TWEAK; APO3 ligand; Tumor necrosis factor ligand superfamily member 12; membrane form; Tumor necrosis factor ligand superfamily member 12; secreted form; TNFSF12
Species Reactivity	Human, Mouse
Form/Format	In phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Immunogen affinity purified
Specificity	TNF12 Antibody detects endogenous levels of total TNF12
Preparation and Storage	Store at-20 degree C for 1 year
Molecular Weight	27 KD
OMIM	602695
3D Structure	ModBase 3D Structure for O43508
Immunogen	A synthesized peptide
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-TNF12 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)
Application Notes for anti-TNF12 antibody	WB: 1:500-1:1000 IHC: 1:50-1:200 IF/ICC: 1:100-1:500
Related Product Information for anti-TNF12 antibody	MBS8513761 is an antibody targeting TNF12. Also known as TNF12 Antibody. Reactive in Human, Mouse.
Other Notes	Small volumes of anti-TNF12 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-TNF12 antibody
Western blot analysis of extracts from COLO cells, HUVEC cells and 293 cells, using TNF12 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TNF12. It may not necessarily be applicable to this product.

NCBI GI #	4507597
NCBI GeneID	8742
NCBI Accession #	NP_003800.1
UniProt Primary Accession #	O43508
UniProt Secondary Accession #	Q8IZK7; Q8WUZ7
UniProt Related Accession #	O43508
GenBank Nucleotide #	NM_003809.2
NCBI Official Full Name	tumor necrosis factor ligand superfamily member 12 proprotein
NCBI Official Synonym Full Names	TNF superfamily member 12
NCBI Official Symbol	TNFSF12
NCBI Official Synonym Symbols	APO3L; DR3LG; TWEAK; TNLG4A
UniProt Protein Name	Tumor necrosis factor ligand superfamily member 12
UniProt Synonym Protein Names	APO3 ligand; TNF-related weak inducer of apoptosis; TWEAK
UniProt Gene Name	TNFSF12
UniProt Synonym Gene Names	APO3L; DR3LG; TWEAK
NCBI Protein Information	tumor necrosis factor ligand superfamily member 12
NCBI Summary for TNF12	The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This protein is a ligand for the FN14/TWEAKR receptor. This cytokine has overlapping signaling functions with TNF, but displays a much wider tissue distribution. This cytokine, which exists in both membrane-bound and secreted forms, can induce apoptosis via multiple pathways of cell death in a cell type-specific manner. This cytokine is also found to promote proliferation and migration of endothelial cells, and thus acts as a regulator of angiogenesis. Alternative splicing results in multiple transcript variants. Some transcripts skip the last exon of this gene and continue into the second exon of the neighboring TNFSF13 gene; such read-through transcripts are contained in GeneID 407977, TNFSF12-TNFSF13. [provided by RefSeq, Oct 2010]
UniProt Comments for TNF12	Binds to FN14 and possibly also to TNRFSF12/APO3. Weak inducer of apoptosis in some cell types. Mediates NF-kappa-B activation. Promotes angiogenesis and the proliferation of endothelial cells. Also involved in induction of inflammatory cytokines. Promotes IL8 secretion.

Research Articles on TNF12	**1.** we show that sTWEAK levels are lower in HIV-infected patients compared to uninfected participants. Our findings also suggest that sTWEAK might have a role in the pathogenesis of atherosclerosis in patients with HIV.
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