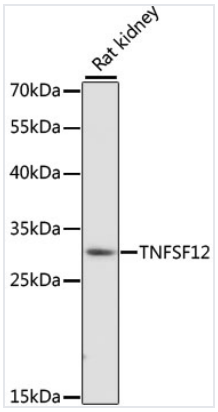
TNFSF12 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TNFSF12, Polyclonal Antibody
Full Product Name	TNFSF12 Polyclonal Antibody
Product Gene Name	anti-TNFSF12 antibody
Product Synonym Names	TNFSF12; APO3L; DR3LG; TNLG4A; TWEAK; TNF superfamily member 12
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse, Rat
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purity/Purification	Affinity Purification
Concentration	1.93 mg/ml (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	Calculated: 27kDa; 36kDa Observed: 27kDa
OMIM	602695
3D Structure	ModBase 3D Structure for O43508
Immunogen	Recombinant protein of human TNFSF12.
Positive Samples	Rat Kidney
Cellular Location	Cell Membrane, Secreted, Single-Pass Membrane Protein, Single-Pass Type II Membrane Protein
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-TNFSF12 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Application Notes for anti-TNFSF12 antibody	WB: 1:500-1:2000 IHC: 1:50-1:100 IF: 1:50-1:100
Related Product Information for anti-TNFSF12 antibody	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.
Other Notes	Small volumes of anti-TNFSF12 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.
Searchable Terms for TNFSF12 purchase	MBS9140861 is an antibody targeting TNFSF12. Also known as TNFSF12 Polyclonal Antibody. Reactive in Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-TNFSF12 antibody
Western blot-TNFSF12 Polyclonal Antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TNFSF12. 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 Related Accession #	O43508
GenBank Nucleotide #	NP_003800.1
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
Protein Family	Tumor necrosis factor ligand superfamily
UniProt Gene Name	TNFSF12
UniProt Synonym Gene Names	APO3L; DR3LG; TWEAK
UniProt Entry Name	TNF12_HUMAN
NCBI Protein Information	tumor necrosis factor ligand superfamily member 12

UniProt Comments for TNFSF12	TNFSF12: 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. Homotrimer (Potential). Interacts with the angiogenic factor AGGF1/VG5Q. Highly expressed in adult heart, pancreas, skeletal muscle, brain, colon, small intestine, lung, ovary, prostate, spleen, lymph node, appendix and peripheral blood lymphocytes. Low expression in kidney, testis, liver, placenta, thymus and bone marrow. Also detected in fetal kidney, liver, lung and brain. Belongs to the tumor necrosis factor family. Protein type: Motility/polarity/chemotaxis; Apoptosis; Cytokine; Membrane protein, integral Chromosomal Location of Human Ortholog: 17p13 Cellular Component: extracellular space; integral to plasma membrane; perinuclear region of cytoplasm Molecular Function: protein binding; cytokine activity; tumor necrosis factor receptor binding; receptor binding Biological Process: positive regulation of angiogenesis; apoptosis; positive regulation of protein catabolic process; endothelial cell migration; immune response; positive regulation of endothelial cell proliferation; angiogenesis; cell differentiation; signal transduction
Research Articles on TNFSF12	**1.** TWEAK and monocyte/HDL ratio may be promising in predicting metabolic syndrome at early stages in polycystic ovary syndrome.
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