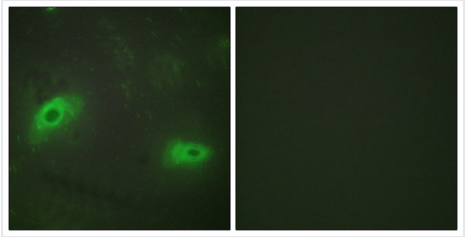
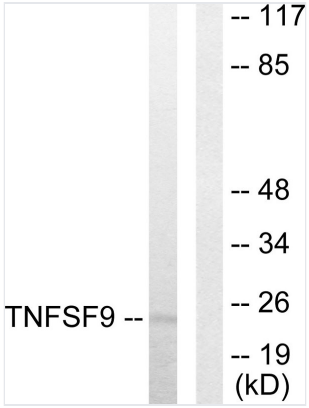
TNFSF9 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TNFSF9, Polyclonal Antibody
Full Product Name	TNFSF9 Antibody
Product Gene Name	anti-TNFSF9 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Purified from rabbit antiserum by affinity-chromatography using immunogen.
Concentration	1 mg/ml (lot specific)
Specificity	TNFSF9 Antibody detects endogenous levels of total TNFSF9 protein.
Preparation and Storage	Stable at -20 degree C for at least 1 year.
Molecular Weight	26 kDa
OMIM	U03398 mRNA
3D Structure	ModBase 3D Structure for P41273
Target Modification	Unmodified/Total
Immunogen	The antiserum was produced against synthesized peptide derived from human TNFSF9.
Immunogen Range	31-80
Applications Tested/Suitable for anti-TNFSF9 antibody	Western Blot (WB), Immunofluorescence (IF), ELISA (EIA)
Application Notes for anti-TNFSF9 antibody	WB: 1:500~1:1000 IF: 1:100~1:500 ELISA: 1:20000
Related Product Information for anti-TNFSF9 antibody	MBS9505061 is an antibody targeting TNFSF9. Also known as TNFSF9 Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-TNFSF9 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.



Immunofluorescence (IF) of anti-TNFSF9 antibody
Immunofluorescence analysis of HeLa cells, using TNFSF9 Antibody. The picture on the right is blocked with the synthesized peptide.



Western Blot (WB) of anti-TNFSF9 antibody
Western blot analysis of lysates from HUVEC cells, using TNFSF9 Antibody. The lane on the right is blocked with the synthesized peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TNFSF9. It may not necessarily be applicable to this product.

NCBI GI #	4507609
NCBI GeneID	8744
NCBI Accession #	NP_003802.1
UniProt Primary Accession #	P41273
UniProt Secondary Accession #	Q2M3S2
UniProt Related Accession #	P41273
GenBank Nucleotide #	NM_003811.3
NCBI Official Full Name	tumor necrosis factor ligand superfamily member 9
NCBI Official Synonym Full Names	TNF superfamily member 9
NCBI Official Symbol	TNFSF9
NCBI Official Synonym Symbols	CD137L; TNLG5A; 4-1BB-L
UniProt Protein Name	Tumor necrosis factor ligand superfamily member 9
UniProt Synonym Protein Names	4-1BB ligand; 4-1BBL
Protein Family	Tumor necrosis factor ligand superfamily
UniProt Gene Name	TNFSF9
UniProt Synonym Gene Names	4-1BBL
NCBI Protein Information	tumor necrosis factor ligand superfamily member 9
NCBI Summary for TNFSF9	The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This transmembrane cytokine is a bidirectional signal transducer that acts as a ligand for TNFRSF9/4-1BB, which is a costimulatory receptor molecule in T lymphocytes. This cytokine and its receptor are involved in the antigen presentation process and in the generation of cytotoxic T cells. The receptor TNFRSF9/4-1BB is absent from resting T lymphocytes but rapidly expressed upon antigenic stimulation. The ligand encoded by this gene, TNFSF9/4-1BBL, has been shown to reactivate anergic T lymphocytes in addition to promoting T lymphocyte proliferation. This cytokine has also been shown to be required for the optimal CD8 responses in CD8 T cells. This cytokine is expressed in carcinoma cell lines, and is thought to be involved in T cell-tumor cell interaction.[provided by RefSeq, Oct 2008]

UniProt Comments for TNFSF9	Cytokine that binds to TNFRSF9. Induces the proliferation of activated peripheral blood T-cells. May have a role in activation-induced cell death (AICD). May play a role in cognate interactions between T-cells and B-cells/macrophages.
Research Articles on TNFSF9	**1.** 4-1BB and 4-1BBL qualify as markers for prediction of patients' course and represent a valuable screening target for patients with acute myeloid leukemia at initial diagnosis.
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