



# CD137L Polyclonal Antibody

<b>Catalog No</b>	BYab-13879
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB;IF;ELISA
<b>Gene Name</b>	TNFSF9
<b>Protein Name</b>	Tumor necrosis factor ligand superfamily member 9
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human TNFSF9. AA range:31-80
<b>Specificity</b>	CD137L Polyclonal Antibody detects endogenous levels of CD137L protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	TNFSF9; Tumor necrosis factor ligand superfamily member 9; 4-1BB ligand; 4-1BBL
<b>Observed Band</b>	23kD
<b>Cell Pathway</b>	Membrane; Single-pass type II membrane protein.
<b>Tissue Specificity</b>	Expressed in brain, placenta, lung, skeletal muscle and kidney.
<b>Function</b>	function: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.,similarity:Belongs to the tumor necrosis factor family.,subunit:Homotrimer .,tissue specificity:Expressed in brain, placenta, lung, skeletal muscle and kidney.,
<b>Background</b>	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

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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 b

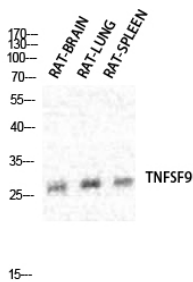
**matters needing attention**

Avoid repeated freezing and thawing!

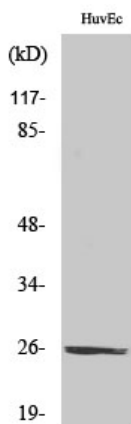
**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

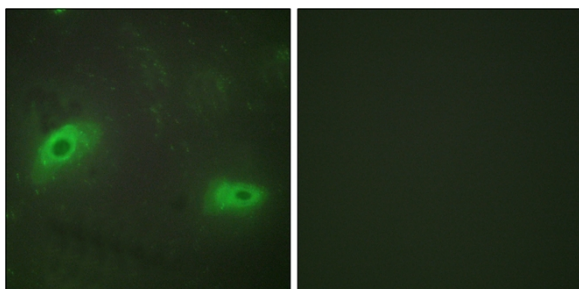
**Products Images**



Western Blot analysis of various cells using CD137L Polyclonal Antibody diluted at 1:1000

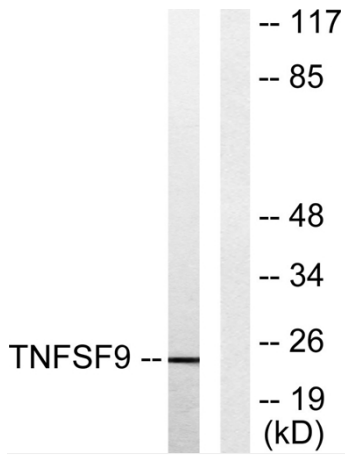


Western Blot analysis of HuvEc cells using CD137L Polyclonal Antibody diluted at 1:1000



Immunofluorescence analysis of HeLa cells, using TNFSF9 Antibody. The picture on the right is blocked with the synthesized peptide.

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Western blot analysis of lysates from HUVEC cells, using TNFSF9 Antibody. The lane on the right is blocked with the synthesized peptide.