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## Summary

<b>Production Name</b>	CD137L Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	IF, WB,
<b>Reactivity</b>	Human, Rat, Mouse

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	TNFSF9
<b>Alternative Names</b>	TNFSF9; Tumor necrosis factor ligand superfamily member 9; 4-1BB ligand; 4-1BBL
<b>Gene ID</b>	8744.0
<b>SwissProt ID</b>	P41273. The antiserum was produced against synthesized peptide derived from human TNFSF9. AA range:31-80

## Application

<b>Dilution Ratio</b>	WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.
<b>Molecular Weight</b>	23kD

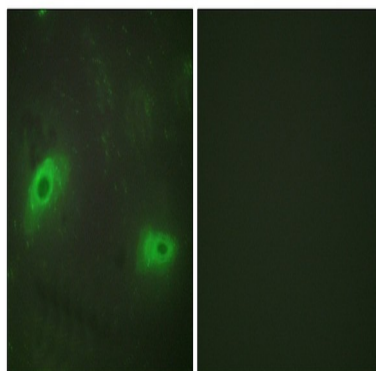
## Background

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 bfunction: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.,

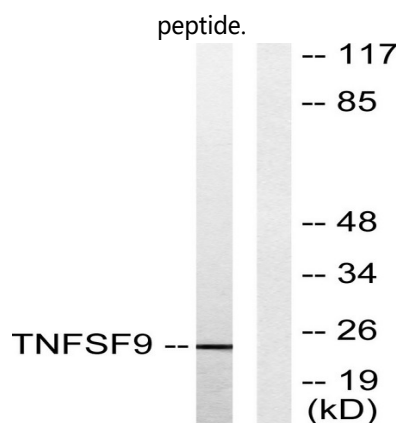
## Research Area

Cytokine-cytokine receptor interaction;

## Image Data



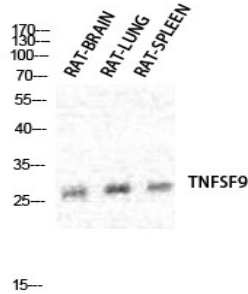
Immunofluorescence analysis of HeLa cells, using TNFSF9 Antibody. The picture on the right is blocked with the synthesized peptide.



**Product Name: CD137L Rabbit Polyclonal Antibody**  
**Catalog #: APRab08207**



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



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

## Note

For research use only.