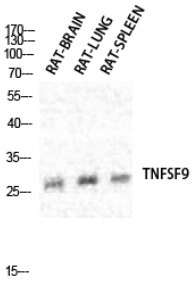
CD137L Polyclonal Antibody

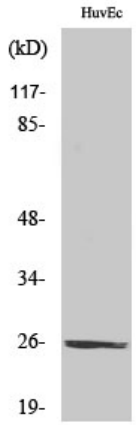
Catalog No	YP-Ab-13879
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IF;ELISA
Gene Name	TNFSF9
Protein Name	Tumor necrosis factor ligand superfamily member 9
Immunogen	The antiserum was produced against synthesized peptide derived from human TNFSF9. AA range:31-80
Specificity	CD137L Polyclonal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

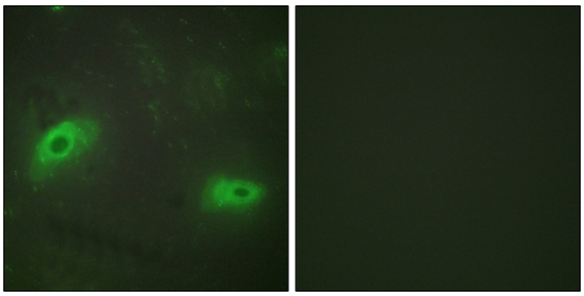
Products Images



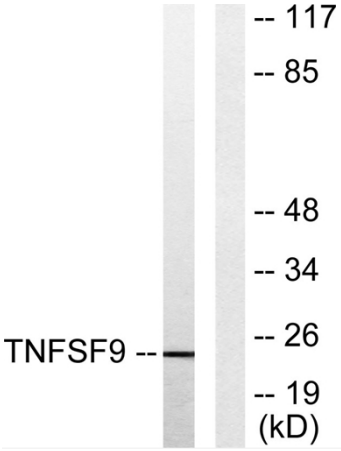
Western Blot analysis of various cells using CD137L Polyclonal Antibody diluted at 1:1000



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.



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