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anti-TNFSF9 antibody





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Quantity:	100 μL
Target:	TNFSF9
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This TNFSF9 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	4-1BBL/CD137L Rabbit mAb
Immunogen:	A synthesized peptide derived from human 4-1BBL/CD137L
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	TNFSF9
Alternative Name:	TNFSF9 (TNFSF9 Products)
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 by RefSeq, Oct 2008],4-1BB-L, CD137L, TNLG5A,Apoptosis,Cancer,Cell Biology & Developmental Biology,Cell Intrinsic Innate Immunity Signaling Pathway,Cytokines,Cytokines_TNF,Growth factors,Growth factors_TNF,Immunology & Inflammation,TNFSF9

 Molecular Weight:
 25-32kDa

 Gene ID:
 8744

 UniProt:
 P41273

Activated T Cell Proliferation, Cancer Immune Checkpoints

Application Details

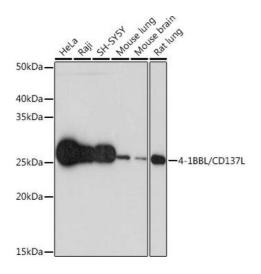
Application Notes: WB,1:500 - 1:2000

Restrictions: For Research Use only

Handling

Pathways:

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using 4-1BBL/CD137L Rabbit mAb (ABIN7271060) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 μg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 30s.