



Rabbit Anti-CD137 antibody

SL2449R

Product Name:	CD137
Chinese Name:	Tumour坏死因子受体超家族成员9抗体
Alias:	Tumor necrosis factor receptor superfamily member 9; Tnfrsf9; TNFRSF9; 4-1BB; 4 1BB; 4 1BB ligand receptor; Homolog of mouse 4 1BB; Receptor protein 4 1BB; T cell antigen 4 1BB homolog; T cell antigen ILA; Cd137; CDw137; CD 137; CD137 antigen; Induced by lymphocyte activation; ILA; Interleukin activated receptor homolog of mouse Ly63; Ly63; MGC2172; MGC114552; OTTHUMP00000044294; TNR9 HUMAN.
文献引用 PubMed :	<p>Specific References(2)SL2449R has been referenced in 2 publications.</p> <p>[IF=8.38]Daquinag, A. C., et al. "Depletion of white adipocyte progenitors induces beige adipocyte differentiation and suppresses obesity development." Cell Death & Differentiation (2014).Mouse. PubMed:25342467</p> <p>[IF=3.79]Claycombe, Kate J., et al. "Decreased beige adipocyte number and mitochondrial respiration coincide with increased histone methyl transferase (9Ga) and reduced FGF21 gene expression in Sprague Dawley rats fed prenatal low protein and postnatal high fat diets." The Journal of Nutritional Biochemistry (2016).FCM;Rat. PubMed:27133430</p>
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.

Molecular weight:	25kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CD137:101-200/255
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>CD137 exists on the cell surface as a monomer with a molecular mass of 30 kDa and as a dimer of 55 kDa. Human and mouse CD137 share 60% amino acid identity. CD137 (4-1BB), a member of the tumour necrosis factor receptor superfamily, is a type I transmembrane glycoprotein expressed on the cell surface of activated splenic T cells and thymocytes. The functions of CD137 in T lymphocytes include regulating activation, proliferation and apoptosis. CD137 and CD28 are costimulatory molecules of T cell activation. Costimulatory molecules are important in initiating anti-tumor immune responses. CD137 plays an important role in regulating T-cell-dependent immune responses. Expression of CD137 correlates negatively with lymphocyte proliferation and positively with the degree of activation-induced cell death caused by mitogen overstimulation. In monocytes, CD137 induces activation, promotes adherence and prolongs survival.</p> <p>Function: Receptor for TNFSF9/4-1BBL. Possibly active during T cell activation.</p> <p>Subunit: Interacts with TRAF1, TRAF2 and TRAF3. Interacts with LRR-repeat protein 1/LRR-1.</p> <p>Subcellular Location: Membrane; Single-pass type I membrane protein.</p> <p>Tissue Specificity: Expressed on the surface of activated T-cells.</p> <p>Similarity: Contains 4 TNFR-Cys repeats.</p> <p>SWISS: Q07011</p> <p>Gene ID:</p>

3604

Database links:

[Entrez Gene: 3604](#)Human

[Omicron: 602250](#)Human

[SwissProt: Q07011](#)Human

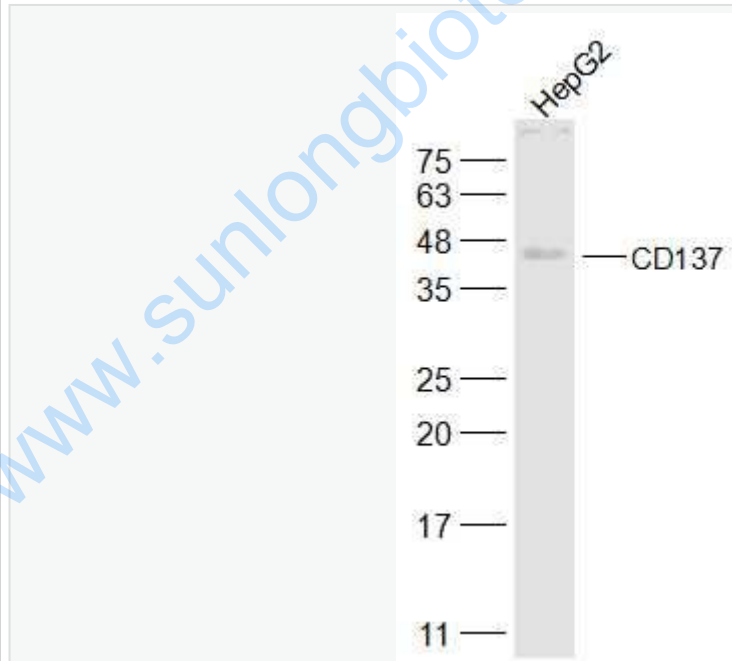
[Unigene: 654459](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

CD137属于Tumour坏死因子超家族成员, 是可诱导的T细胞共刺激受体, 表达于CD4 + 和CD8 + T细胞、活化的Natural killer cells (natural killercell, NK) 和树突状细胞, CD137可抑制T细胞增殖, 诱发Apoptosis。

Picture:



Sample:

HepG2(Human) Cell Lysate at 30 ug

Primary: Anti-CD137 (SL2449R) at 1/500 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

	<p>Predicted band size: 25 kD</p>
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	<p>Observed band size: 39 kD</p>
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