

## Product datasheet for **TA357872**

### **TNFSF9 Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	IHC, WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	<b>Expected reactivity:</b> Human <b>Homology:</b> Human: 100%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	28kDa
Gene Name:	tumor necrosis factor superfamily member 9
Database Link:	<a href="#">NP_003802</a> <a href="#">Entrez Gene 8744 Human</a> <a href="#">P41273</a>



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**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.

**Synonyms:**

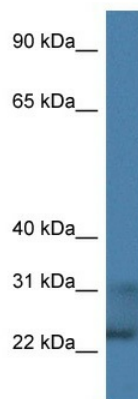
4-1BB-L; 4-1BBL; CD137L

**Protein Families:**

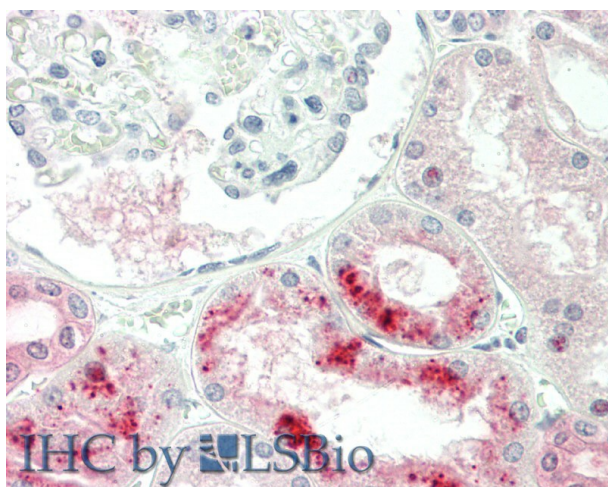
Druggable Genome, Transmembrane

**Protein Pathways:**

Cytokine-cytokine receptor interaction

**Product images:**

WB Suggested Anti-TNFSF9 Antibody  
Titration: 1.0 ug/ml  
Positive Control: HepG2 Whole Cell



Rabbit Anti-TNFSF9 antibody  
Catalog Number: ARP61434  
Formalin Fixed Paraffin Embedded Tissue:  
Human Kidney  
Primary antibody Concentration: 1:100  
Secondary Antibody: Donkey anti-Rabbit-Cy3  
Secondary Antibody Concentration: 1:200  
Magnification: 20x  
Exposure Time: 0.5-2.0sec