

Basic Information

Product Name	Anti-RANKL/TNFSF11 Antibody		
Gene Name	TNFSF11		
Source	Rabbit		
Clonality	Polyclonal		
Isotype	IgG		
Species Reactivity	human, mouse, rat		
Tested Application	WB, ELISA		
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.		
Immunogen	E. coli-derived rat RANKL recombinant protein (Position: F141-D318). Rat RANKL shares 87.9% and 96.6% amino acid (aa) sequence identity with human and mouse RANKL, respectively.		
Concentration	500 ug/ml		
Purification	Immunogen affinity purified.		
Observed MW	35-40 kDa		
Dilution Ratios	Western blot (WB):		1:500-2000
	Enzyme linked immunosorbent assay (ELISA):		1:100-1000

Storage

12 months from date of receipt, -20°C as supplied.

Background Information

Receptor activator of nuclear factor kappa-B ligand (RANKL), also known as tumor necrosis factor ligand superfamily member 11 (TNFSF11), is a protein that in humans is encoded by the TNFSF11 gene. This gene encodes a member of the tumor necrosis factor (TNF) cytokine family which is a ligand for osteoprotegerin and functions as a key factor for osteoclast differentiation and activation. It is mapped to chromosome13q14.11. Targeted disruption of the related gene in mice led to severe osteopetrosis and a lack of osteoclasts. The deficient mice exhibited defects in early differentiation of T and B lymphocytes, and failed to form lobulo-alveolar mammary structures during pregnancy. This gene may play an important role in enhanced bone-resorption in humoral hypercalcemia of malignancy.

Reference

Anti-RANKL/TNFSF11 Antibody被引用在12文献中。

Selected Validation Data



Western blot analysis of RANKL/TNFSF11 using anti-RANKL/TNFSF11 antibody (PB1064). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: rat brain tissue lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-RANKL/TNFSF11 antigen affinity purified polyclonal antibody (PB1064) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for RANKL/TNFSF11 at approximately 35-40 kDa. The expected band size for RANKL/TNFSF11 is at 35 kDa.

Product datasheet

Anti-RANKL/TNFSF11 Antibody

Catalog Number: **PB1064**



antibody and ELISA experts

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