

Datasheet for ABIN7210649  
**anti-RANKL antibody (C-Term)**



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4 Images

## Overview

Quantity:	100 µL
Target:	RANKL (TNFSF11)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RANKL antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Purpose:	RANKL Polyclonal Antibody
Immunogen:	Synthesized peptide derived from the C-terminal region of human RANKL
Isotype:	IgG
Specificity:	RANKL Polyclonal Antibody detects endogenous levels of RANKL protein.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen

## Target Details

Target:	RANKL (TNFSF11)
Alternative Name:	RANKL ( <a href="#">TNFSF11 Products</a> )

## Target Details

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**Background:** Rabbit Anti-RANKL Polyclonal Antibody, TNFSF11, OPGL, RANKL, TRANCE, Tumor necrosis factor ligand superfamily member 11, Osteoclast differentiation factor, ODF, Osteoprotegerin ligand, OPGL Receptor activator of nuclear factor kappa-B ligand, RANKL, TNF-related activation-induced cytokine, TRANCE, CD254, TNFSF11 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. Tumor necrosis factor ligand superfamily member 11 was shown to be a dendritic cell survival factor and is involved in the regulation of T cell-dependent immune response. T cell activation was reported to induce expression of this gene and lead to an increase of osteoclastogenesis and bone loss. This protein was shown to activate antiapoptotic kinase AKT/PKB through a signaling complex involving SRC kinase and tumor necrosis factor receptor-associated factor (TRAF) 6, which indicated this protein may have a role in the regulation of cell apoptosis. 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. Two alternatively spliced transcript variants have been found., Tumor necrosis factor ligand superfamily member 11

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**Gene ID:** 8600

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**UniProt:** [O14788](#)

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**Pathways:** [NF-kappaB Signaling](#)

## Application Details

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**Application Notes:** Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), IHC-P (1:100-1:300), ELISA (1:20000). Not yet tested in other applications.

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Concentration:** 1 mg/mL

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**Buffer:** PBS containing 50 % Glycerol, 0.5 % BSA and 0.02 % Sodium Azide.

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**Preservative:** Sodium azide

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**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

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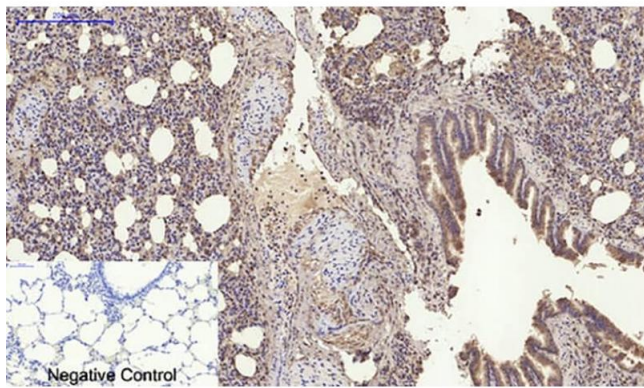
## Handling

should be handled by trained staff only.

Storage: -20 °C

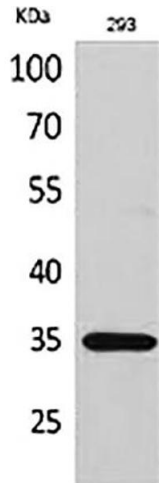
Storage Comment: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

## Images



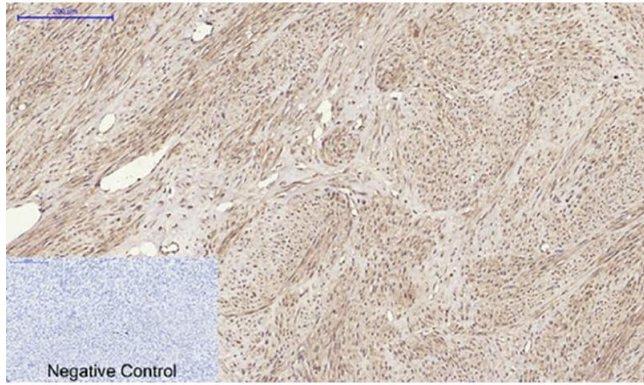
### Immunohistochemistry

**Image 1.** Immunohistochemical analysis of paraffin-embedded rat lung tissue. 1, RANKL Polyclonal Antibody was diluted at 1:200 (4 °C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98 °C, 20 min). 3, secondary antibody was diluted at 1:200 (room temperature, 30 min). Negative control was used by secondary antibody only.



### Western Blotting

**Image 2.** Western Blot analysis of 293 cells using RANKL Polyclonal Antibody.



### Immunohistochemistry

**Image 3.** Immunohistochemical analysis of paraffin-embedded human uterus tissue. 1, RANKL Polyclonal Antibody was diluted at 1:200 (4 °C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98 °C, 20 min). 3, secondary antibody was diluted at 1:200 (room temperature, 30 min). Negative control was used by secondary antibody only.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7210649.