

Datasheet for ABIN2856613
anti-RANKL antibody (C-Term)

3 Images

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Overview

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

Product Details

Immunogen:	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human RANKL. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Cow (Bovine), Chicken, Mouse (Murine)
Cross-Reactivity (Details):	Mouse (93 %), Chicken (87 %), Bovine (100 %)
Characteristics:	Rabbit Polyclonal antibody to RANKL (tumor necrosis factor (ligand) superfamily, member 11) RANKL antibody [C2C3], C-term
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	RANKL (TNFSF11)
Alternative Name:	RANKL (TNFSF11 Products)
Background:	<p>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. This protein 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.</p> <p>Cellular Localization: Isoform 1: Cell membrane, Single-pass type II membrane protein , Isoform 3: Cell membrane, Single-pass type II membrane protein , Isoform 2: Cytoplasm , Tumor necrosis factor ligand superfamily member 11 , soluble form: Secreted</p>
Molecular Weight:	35 kDa
Gene ID:	8600
Pathways:	NF-kappaB Signaling

Application Details

Application Notes:	Suggested dilution Reference IHC (Formalin-fixed paraffin-embedded sections) 1:100-1:1000* Western blot 1:500-1:3000* Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceIHC (Formalin-fixed paraffin-embedded sections)1:100-1:1000* Western blot1:500-1:3000*
Comment:	Positive Control: A431 , H1299 , HeLa , HepG2 , Rat lung
Restrictions:	For Research Use only

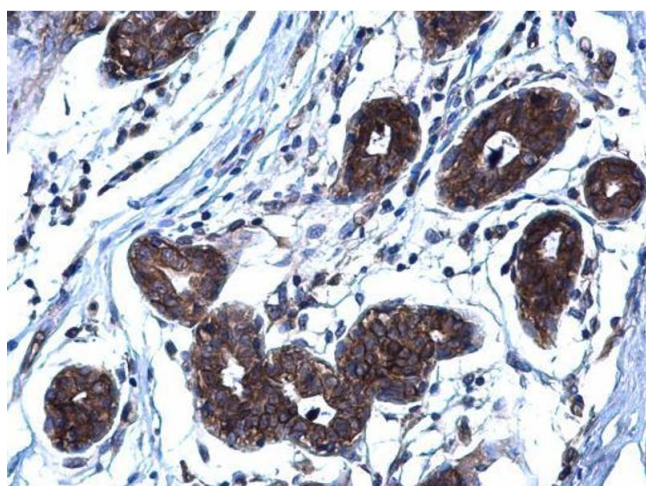
Handling

Format:	Liquid
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Handling

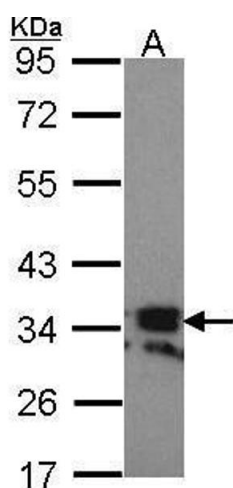
Concentration:	1 mg/mL
Buffer:	0.1M Tris, 0.1M Glycine, 10 % Glycerol (pH 7). 0.01 % Thimerosal was added as a preservative.
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



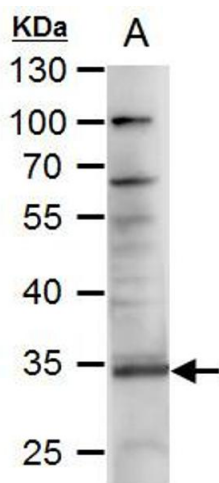
Immunohistochemistry

Image 1. IHC-P Image RANKL antibody [C2C3], C-term detects RANKL protein at membrane on human breast carcinoma by immunohistochemical analysis. Sample: Paraffin-embedded human breast carcinoma. RANKL antibody [C2C3], C-term , diluted at 1:500.



Western Blotting

Image 2. WB Image Sample (30 ug of whole cell lysate) A: HeLa 10% SDS PAGE RANKL (CD254) antibody antibody diluted at 1:1000



Western Blotting

Image 3. WB Image RANKL antibody [C2C3], C-term detects RANKL protein by western blot analysis. A. 50 µg rat lung extract 10 % SDS-PAGE RANKL antibody [C2C3], C-term , dilution: 1:1000