

Datasheet for ABIN672696
anti-RANKL antibody (AA 210-317)

3 Images

15 Publications

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Overview

Quantity:	100 µL
Target:	RANKL (TNFSF11)
Binding Specificity:	AA 210-317
Reactivity:	Human, Mouse, Rat, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RANKL antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human RANKL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rabbit, Rat
Predicted Reactivity:	Dog
Purification:	Purified by Protein A.

Target Details

Target:	RANKL (TNFSF11)
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Target Details

Alternative Name:	RANKL (TNFSF11 Products)
Background:	<p>Synonyms: ODF, OPGL, sOdf, CD254, OPTB2, RANKL, TRANCE, hRANKL2, Tumor necrosis factor ligand superfamily member 11, Osteoclast differentiation factor, Osteoprotegerin ligand, Receptor activator of nuclear factor kappa-B ligand, TNF-related activation-induced cytokine, TNFSF11</p> <p>Background: Cytokine that binds to TNFRSF11B/OPG and to TNFRSF11A/RANK. Osteoclast differentiation and activation factor. Augments the ability of dendritic cells to stimulate naive T-cell proliferation. May be an important regulator of interactions between T-cells and dendritic cells and may play a role in the regulation of the T-cell-dependent immune response. May also play an important role in enhanced bone-resorption in humoral hypercalcemia of malignancy.</p>
Gene ID:	8600
UniProt:	O14788
Pathways:	NF-kappaB Signaling

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage: 4 °C, -20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

Publications

Product cited in: Zhan, Liu, Wang: "The Role of MicroRNA-143-5p in the Differentiation of Dental Pulp Stem Cells into Odontoblasts by Targeting Runx2 via the OPG/RANKL Signaling Pathway." in: **Journal of cellular biochemistry**, Vol. 119, Issue 1, pp. 536-546, (2018) ([PubMed](#)).

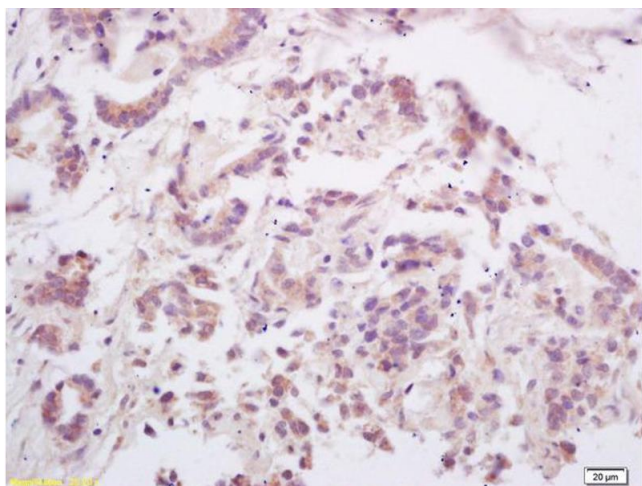
Dolci, Portela, Onofre de Souza, Medeiros Fossati: "Atorvastatin-induced osteoclast inhibition reduces orthodontic relapse." in: **American journal of orthodontics and dentofacial orthopedics : official publication of the American Association of Orthodontists, its constituent societies, and the American Board of Orthodontics**, Vol. 151, Issue 3, pp. 528-538, (2017) ([PubMed](#)).

Yu, Gong, Lin, Wang, Liu, Li: "Denervation effectively aggravates rat experimental periodontitis." in: **Journal of periodontal research**, Vol. 52, Issue 6, pp. 1011-1020, (2017) ([PubMed](#)).

Chen, Fu, Ma, Wu, Li, Li, Shen, Wang: "Intermittent administration of parathyroid hormone ameliorated alveolar bone loss in experimental periodontitis in streptozotocin-induced diabetic rats." in: **Archives of oral biology**, Vol. 83, pp. 76-84, (2017) ([PubMed](#)).

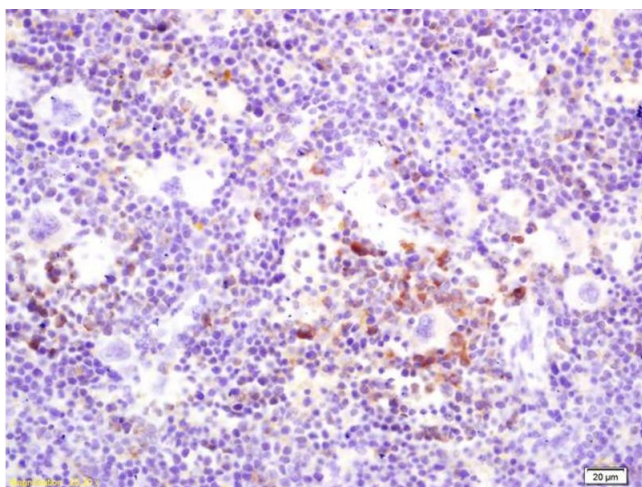
Chen, Xue, Shen, Mu, Fu: "Curcumin alleviates glucocorticoid-induced osteoporosis through the regulation of the Wnt signaling pathway." in: **International journal of molecular medicine**, Vol. 37, Issue 2, pp. 329-38, (2016) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)



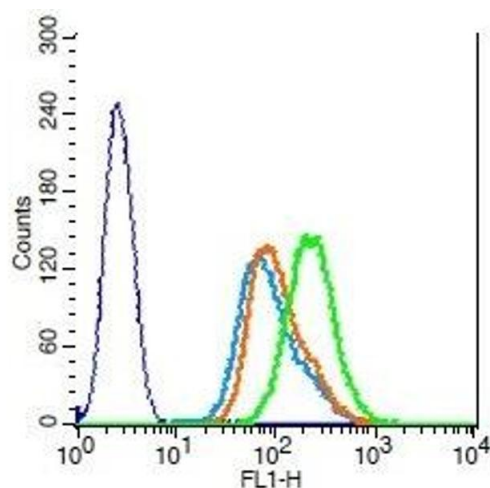
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human gastric carcinoma labeled with Rabbit Anti OPGL/RANKL/ODF Polyclonal Antibody, Unconjugated (ABIN672696) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded mouse spleen labeled with Rabbit Anti OPGL/RANKL/ODF Polyclonal Antibody, Unconjugated (ABIN672696) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Flow Cytometry

Image 3. Human raji cells probed with RANKL Polyclonal Antibody, Unconjugated (green) at 1:100 for 30 minutes followed by a FITC conjugated secondary antibody compared to unstained cells (blue), secondary only (light blue), and isotype control (orange).