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Datasheet for ABIN5611143 anti-RANKL antibody (AA 74-308)

8 Images

1 Publication



Overview

Quantity:	0.1 mg
Target:	RANKL (TNFSF11)
Binding Specificity:	AA 74-308
Reactivity:	Human, Monkey
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant fragment of human TNFSF11 (AA: 74-308) expressed in E. coli.
Clone:	8A7B9
lsotype:	lgG1
Purification:	purified

Target Details

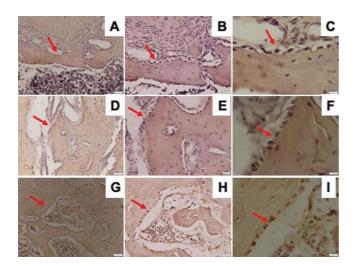
Target:	RANKL (TNFSF11)
Alternative Name:	TNFSF11 (TNFSF11 Products)
Background:	Description: This gene encodes a member of the tumor necrosis factor (TNF) cytokine family which is a ligand for osteoprotegerin and functions as a key factor for osteoclast differentiation
	and activation. This protein was shown to be a dentritic cell survival factor and is involved in the

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	Mandible of Wistar Rats with Diabetes Mellitus and Osteoporosis." in: European journal of
Product cited in:	Hendrijantini, Suisan, Megantara, Tumali, Kuntjoro, Ari, Sitalaksmi, Hong: "Bone Remodeling in
Publications	
Storage Comment:	4°C, -20°C for long term storage
Storage:	4 °C/-20 °C
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Preservative:	Sodium azide
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
Format:	Liquid
Handling	
Restrictions:	For Research Use only
Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: 1:100 - 1:500, FCM: 1:200 - 1:400, IHC: 1:200 - 1:1000
Application Details	
Pathways:	NF-kappaB Signaling
HGNC:	8600
Gene ID:	8600
Molecular Weight:	35.5 kDa
	have been found. Aliases: CD254, ODF, OPGL, sOdf, OPTB2, RANKL, TNLG6B, TRANCE, hRANKL2
	alveolar mammary structures during pregnancy. Two alternatively spliced transcript variants
	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
	indicated this protein may have a role in the regulation of cell apoptosis. Targeted disruption of
	involving SRC kinase and tumor necrosis factor receptor-associated factor (TRAF) 6, which
	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
	regulation of T cell-dependent immune response. T cell activation was reported to induce

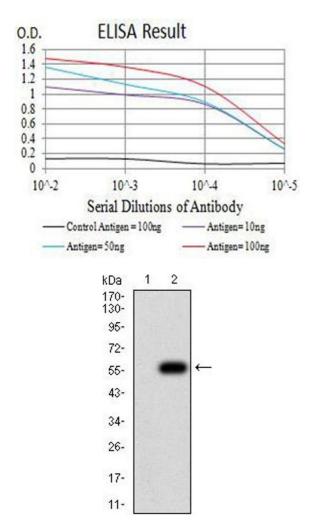
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Images



Immunohistochemistry

Image 1. Representative images of immunohistochemical RANKL expression in the mandible of Wistar rats in diabetic group with ×200 magnification (A), ×400 magnification (B), ×1,000 magnification (C); osteoporotic group with ×200 (D), ×400 magnification magnification (E), ×1,000 ×200 magnification (F); and control group with magnification (G), ×400 magnification (H), ×1,000 magnification (I); and RANKL-positive cells were observed (red arrow). RANKL, receptor activator of nuclear factor κB ligand. Source: PMID35785822



ELISA

Image 2. Black line: Control Antigen (100 ng),Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line:Antigen (100 ng)

Western Blotting

Image 3. Western blot analysis using TNFSF11 mAb against HEK293 (1) and TNFSF11 (AA: 74-308)-hIgGFc transfected HEK293 (2) cell lysate.

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