

Datasheet for ABIN925985

anti-Osteoprotegerin antibody (N-Term)**2** Images**1** Publication[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Osteoprotegerin (TNFRSF11B)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Osteoprotegerin antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	TNFRSF11 B antibody was raised in rabbit using the N terminal of TNFRSF11 as the immunogen
Cross-Reactivity:	Mouse (Murine), Rat (Rattus), Pig (Porcine), Rabbit, Dog (Canine)

Target Details

Target:	Osteoprotegerin (TNFRSF11B)
Alternative Name:	TNFRSF11B (TNFRSF11B Products)
Target Type:	Chemical
Background:	TNFRSF11B is a member of the TNF-receptor superfamily. This protein is an osteoblast-secreted decoy receptor that functions as a negative regulator of bone resorption. This protein specifically binds to its ligand, osteoprotegerin ligand (TNFSF11/OPGL), both of which are key

Target Details

extracellular regulators of osteoclast development. Studies of the mouse counterpart also suggest this protein and its ligand play a role in lymph-node organogenesis and vascular calcification. Alternatively spliced transcript variants of this gene have been reported, but their full length nature has not been determined. Synonyms: Polyclonal TNFRSF11B antibody, Anti-TNFRSF11B antibody, tumor necrosis factor receptor superfamily, member 11b, osteoprotegerin antibody.

Application Details

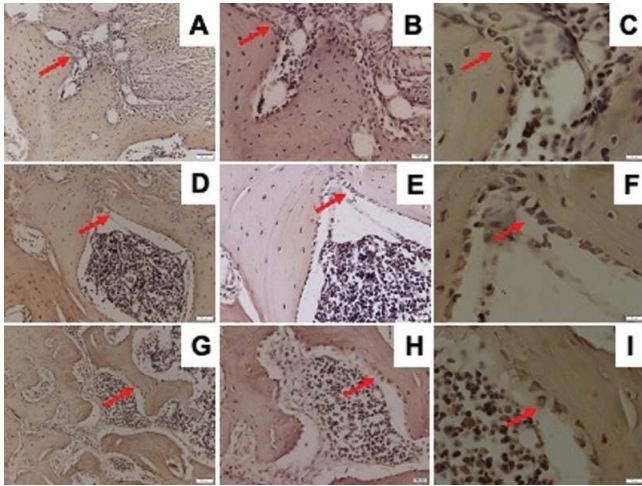
Application Notes:	WB: 1.25 µg/mL Optimal conditions should be determined by the investigator.
Comment:	TNFRSF11B Blocking Peptide, catalog no. 33R-4849, is also available for use as a blocking control in assays to test for specificity of this TNFRSF11B antibody
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	Lot specific
Buffer:	Lyophilized powder. Add 100 µL of distilled water. Final antibody concentration is 1 mg/mL in PBS buffer.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 4 °C, following reconstitution, aliquot and store at -20 °C.

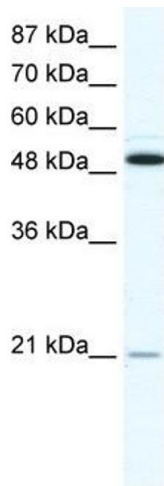
Publications

Product cited in:	Hendrijantini, Suisan, Megantara, Tumali, Kuntjoro, Ari, Sitalaksmi, Hong: "Bone Remodeling in Mandible of Wistar Rats with Diabetes Mellitus and Osteoporosis." in: European journal of dentistry , (2022) (PubMed).
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Immunohistochemistry

Image 1. Representative images of immunohistochemical OPG expression in the mandible of Wistar rats in diabetic group with $\times 200$ magnification (A), $\times 400$ magnification (B), $\times 1,000$ magnification (C); osteoporotic group with $\times 200$ magnification (D), $\times 400$ magnification (E), $\times 1,000$ magnification (F); and control group with $\times 200$ magnification (G), $\times 400$ magnification (H), $\times 1,000$ magnification (I); and OPG-positive cells were observed (red arrow). OPG, osteoprotegerin. Source: PMID35785822



Western Blotting

Image 2. TNFRSF11B antibody (20R-1284) used at 0.125 ug/ml to detect target protein.