

ARG66431 anti-TNFRSF11B / OPG antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes TNFRSF11B / OPG
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TNFRSF11B / OPG
Species	Human
Immunogen	Synthetic peptide within aa. 10-90 of Human TNFRSF11B / OPG.
Conjugation	Un-conjugated
Alternate Names	OCIF; Osteoclastogenesis inhibitory factor; Tumor necrosis factor receptor superfamily member 11B; PDB5; Osteoprotegerin; OPG; TR1

Application Instructions

Application table	Application	Dilution
	IHC-P	1:100 - 1:300
	WB	1:500 - 1:2000

Application Note
IHC-P: Antigen Retrieval: Heat mediation was performed in Sodium citrate buffer (pH 6.0) for 20 min.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

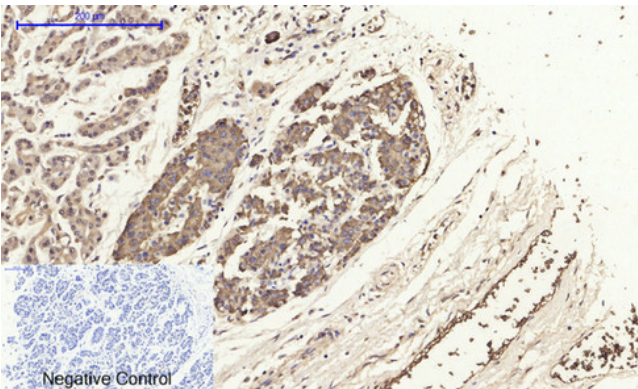
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.5% BSA
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

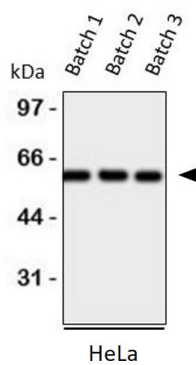
Gene Symbol	TNFRSF11B
Gene Full Name	tumor necrosis factor receptor superfamily, member 11b
Background	The protein encoded by this gene is a member of the TNF-receptor superfamily. This protein is an osteoblast-secreted decoy receptor that functions as a negative regulator of bone resorption. This protein specifically binds to its ligand, osteoprotegerin ligand, both of which are key extracellular regulators of osteoclast development. Studies of the mouse counterpart also suggest that 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. [provided by RefSeq, Jul 2008]
Function	Acts as decoy receptor for TNFSF11/RANKL and thereby neutralizes its function in osteoclastogenesis. Inhibits the activation of osteoclasts and promotes osteoclast apoptosis in vitro. Bone homeostasis seems to depend on the local ratio between TNFSF11 and TNFRSF11B. May also play a role in preventing arterial calcification. May act as decoy receptor for TNFSF10/TRAIL and protect against apoptosis. TNFSF10/TRAIL binding blocks the inhibition of osteoclastogenesis. [UniProt]
Calculated Mw	46 kDa
PTM	N-glycosylated. Contains sialic acid residues. The N-terminus is blocked. [UniProt]
Cellular Localization	Secreted. [UniProt]

Images



ARG66431 anti-TNFRSF11B / OPG antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human stomach cancer tissue stained with ARG66431 anti-TNFRSF11B / OPG antibody at 1:200 dilution (4°C, overnight). Antigen Retrieval: Heat mediation was performed in Sodium citrate buffer (pH 6.0) for 20 min. Negative control was used by secondary antibody only.



ARG66431 anti-TNFRSF11B / OPG antibody WB image

Western blot: HeLa cell lysate stained with ARG66431 anti-TNFRSF11B / OPG antibody from 3 batches.