

Anti-RANKL TNFSF11 Antibody (Monoclonal, Ranky-1)

Catalog Number: M00363

About TNFSF11

Receptor activator of nuclear factor kappa-B ligand (RANKL), also known as tumor necrosis factor ligand superfamily member 11 (TNFSF11), is a protein that in humans is encoded by the TNFSF11 gene. 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 gene is mapped to chromosome13q14.11. 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. This gene may play an important role in enhanced bone-resorption in humoral hypercalcemia of malignancy.

Overview

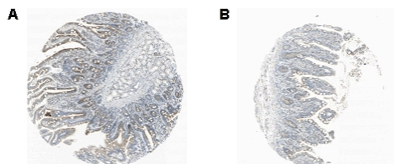
Product Name	Anti-RANKL TNFSF11 Antibody (Monoclonal, Ranky-1)
Reactive Species	Human
Description	Boster Bio Anti-RANKL TNFSF11 Antibody (Monoclonal, Ranky-1) catalog # M00363. Tested in IHC applications. This antibody reacts with Human.
Application	IHC
Clonality	Monoclonal 12A668
Formulation	Each vial contains 0.02% sodium azide.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rat
Uniprot ID	O14788

Technical Details

Immunogen	Recombinant human soluble RANKL extracellular domain (aa 151-316).
Isotype	Mouse IgG1
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein G purified
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the

optimal dilution ratio for your samples.
Some PubMed article(s) citing the expression level of this target are as follows:
Boster Bio's internal QC testing used:
User need to optimize the dilution ratio for this antibody

Anti-RANKL TNFSF11 Antibody (Monoclonal, Ranky-1) (M00363) Images



RANKL was detected in paraffin-embedded sections of human Duodenum tissues(A), human small intestine tissues(B) using rat anti-RANKL monoclonal antibody (Catalog # M00363). The immunohistochemical section was developed using SABC method (Catalog # SA1025).

1 Publications Citing This Product

1. PubMed ID: 29328414, Yang X, Zhang Y, Li Y, Wen T. Int J Mol Med. 2018 Mar;41(3):1536-1546. doi: 10.3892/ijmm.2018.3363. Epub 2018 Jan 4. MALAT1 enhanced the proliferation of human osteoblasts treated with ultra-high molecular weight polyethylene by targeting VEGF via...

Visit bosterbio.com/anti-rankl-antibody-monoclonal-ranky-1-m00363-boster.html to see all 1 publications.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-RANKL TNFSF11 Antibody (Monoclonal, Ranky-1)