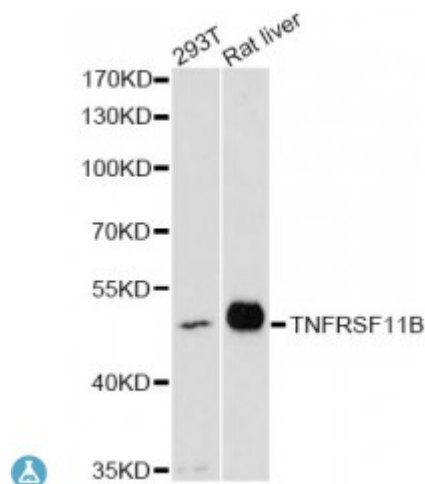


Anti-TNFRSF11B Antibody



Description

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.

Model	STJ115215
Host	Rabbit
Reactivity	Human, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 22-280 of human TNFRSF11B (NP_002537.3).
Gene ID	4982
Gene Symbol	TNFRSF11B
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Highly expressed in adult lung, heart, kidney, liver, spleen, thymus, prostate, ovary, small intestine, thyroid, lymph node, trachea, adrenal gland, testis, and bone marrow, Detected at very low levels in brain, placenta and skeletal muscle, Highly expressed in fetal kidney, liver and lung
Purification	Affinity purification

Note	For Research Use Only (RUO).
Protein Name	Tumor necrosis factor receptor superfamily member 11B Osteoclastogenesis inhibitory factor Osteoprotegerin
Molecular Weight	46.026 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:11909OMIM:239000Reactome:R-HSA-5669034
Alternative Names	Tumor necrosis factor receptor superfamily member 11B Osteoclastogenesis inhibitory factor Osteoprotegerin
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,
Cellular Localization	Secreted
Post-translational Modifications	N-glycosylated, Contains sialic acid residues,