



Rabbit Anti-Human RANk Polyclonal Antibody (CABT-L2184)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Receptor Activator Of Nuclear Factor Kappa B (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against RANk. It has been selected for its ability to recognize RANk in immunohistochemical staining and western blotting.
Target	RANk
Immunogen	Recombinant fragment corresponding to human TNFRSF11A (Val330~Lys615)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction	The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptors can interact with various TRAF family proteins, through which this receptor induces the activation of NF-kappa B and MAPK8/JNK. This receptor and its ligand are important regulators of the interaction between T cells and dendritic cells. This receptor is also an essential mediator for osteoclast and lymph node development. Mutations at this locus have been associated with familial expansile osteolysis, autosomal recessive osteopetrosis, and Paget disease of bone. Alternatively spliced transcript variants have been described for this locus. [provided by RefSeq, Aug 2012]
Keywords	CD265;TNFRSF11A;TNFRSF11-A;ODFR;OFE;TRANCER;Osteoclast differentiation factor receptor;Tumor Necrosis Factor Receptor Superfamily,Member 11a,NFKB Activator

GENE INFORMATION

Gene Name	TNFRSF11A tumor necrosis factor receptor superfamily, member 11a, NFKB activator [Homo sapiens (human)]
Official Symbol	TNFRSF11A
Synonyms	TNFRSF11A; tumor necrosis factor receptor superfamily, member 11a, NFKB activator; FEO; OFE; ODFR; OSTs; PDB2; RANK; CD265; OPTB7; TRANCER; LOH18CR1; tumor necrosis factor receptor superfamily member 11A; Paget disease of bone 2; receptor activator of NF-KB; osteoclast differentiation factor receptor; receptor activator of nuclear factor-kappa B; loss of heterozygosity, 18, chromosomal region 1;
Protein Refseq	NP_001257878
UniProt ID	Q9Y6Q6
Chromosome Location	18q22.1
Pathway	Cytokine-cytokine receptor interaction; NF-kappa B signaling pathway; Osteoclast Signaling; Osteoclast differentiation; Prolactin signaling pathway; RANKL/RANK Signaling Pathway; Rheumatoid arthritis; TNF-alpha/NF-kB Signaling Pathway;
Function	cytokine binding; metal ion binding; protein binding; receptor activity; transmembrane signaling receptor activity; tumor necrosis factor-activated receptor activity;