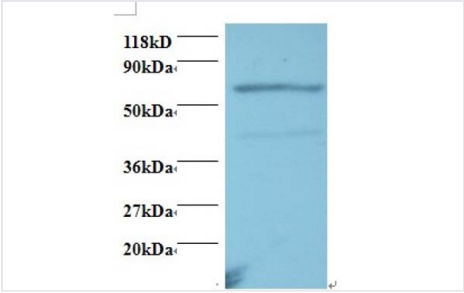
RANK Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RANK, Polyclonal Antibody
Full Product Name	RANK antibody (biotin)
Product Gene Name	anti-RANK antibody
Product Synonym Names	Rabbit polyclonal RANK antibody (biotin); Polyclonal RANK antibody; Anti-RANK antibody; TNFRSF11A antibody; RANK antibody; Receptor activator of NF KB CD265 antibody; ODFR antibody; Osteoclast differentiation factor receptor antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Form/Format	Supplied with 0.03% Proclin 300, 50% Glycerol and 0.01M PBS, PH 7.4
Purity/Purification	Purified by Ammonium Sulfate precipitation
Preparation and Storage	Store at 4 degree C for short term storage and-20 degree C for long term storage. Avoid repeat freeze/thaw cycles.
Molecular Weight	64,552 Da
OMIM	174810
Immunogen	RANK antibody (Biotin) was raised in Rabbit using recombinant human Tumor necrosis factor receptor superfamily member 11A protein as the immunogen
Conjugate	Biotin
Cross-Reactivity	Human
Product Categories/Family for anti-RANK antibody	Cytokines & Growth Factors
Applications Tested/Suitable for anti-RANK antibody	ELISA (EIA), Immunohistochemistry (IHC), Western Blot (WB)
Related Product Information for anti-RANK antibody	Impairments in RANK signaling have been implicated in the induction of expansile osteolysis and Paget disease of bone (PDB2). Recombinant human sRANK receptor is a 19.3 kDa polypeptide containing the TNFR homologous cysteine rich portion of the extracellular domain of RANK receptor (175 amino acid residues).
Other Notes	Small volumes of anti-RANK antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for RANK purchase	MBS5310126 is an antibody targeting RANK. Also known as RANK antibody (biotin). Host: Rabbit.



Testing Data of anti-RANK antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RANK. It may not necessarily be applicable to this product.

NCBI GI #	2612918
NCBI GeneID	8792
NCBI Accession #	AAB86809.1
UniProt Secondary Accession #	Q59EP9; I4EC36; I4EC38; I4EC39; I7JE63; N0GVH0
UniProt Related Accession #	Q9Y6Q6
NCBI Official Full Name	receptor activator of nuclear factor-kappa B
NCBI Official Synonym Full Names	TNF receptor superfamily member 11a
NCBI Official Symbol	TNFRSF11A
NCBI Official Synonym Symbols	FEO; OFE; ODFR; OSTS; PDB2; RANK; CD265; OPTB7; TRANCER; LOH18CR1
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 11A
UniProt Synonym Protein Names	Osteoclast differentiation factor receptor; ODFR; Receptor activator of NF-KB; CD_antigen: CD265
Protein Family	Rabankyrin
UniProt Gene Name	TNFRSF11A
UniProt Synonym Gene Names	RANK; ODFR
NCBI Protein Information	tumor necrosis factor receptor superfamily member 11A
NCBI Summary for RANK	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]
UniProt Comments for RANK	Receptor for TNFSF11/RANKL/TRANCE/OPGL; essential for RANKL-mediated osteoclastogenesis. Involved in the regulation of interactions between T-cells and dendritic cells.
Research Articles on RANK	**1.** For the RANK gene, the AGTGC haplotype was associated with the lowest risk of presenting chronic joint pain in individuals without TMD (P=0.03). This study supports the hypothesis that changes in the OPG and RANK genes influence the presence of chronic joint pain in individuals with and without TMD.
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