

Rabbit anti-Mouse, Rat RANK/Tnfrsf11a Polyclonal Antibody | anti-Tnfrsf11a antibody

Anti-RANK/Tnfrsf11a Antibody

CATALOG # AAA125414	HOST Rabbit	REACTIVITY Mouse, Rat	APPLICATIONS ELISA, Flow Cytometry, Functional Assay, Western Blot
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PRODUCT SYNONYMS

RANK/Tnfrsf11a; Polyclonal Antibody; Anti-RANK/Tnfrsf11a Antibody; Tumor necrosis factor receptor superfamily member 11A; Osteoclast differentiation factor receptor; ODFR; Receptor activator of NF-KB; CD265; Tnfrsf11a; Rank; anti-Tnfrsf11a antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	625
Applicable Applications for anti-Tnfrsf11a antibody	ELISA (Direct ELISA), FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E Coli-derived mouse RANK/Tnfrsf11a recombinant protein (Position: Q30-R203).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen store at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES

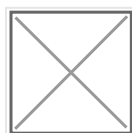


WB (Western Blot)

Figure 1. Western blot analysis of Tnfrsf11a using anti-Tnfrsf11a antibody.



FCM/FACS (Flow Cytometry)



FCM/FACS (Flow Cytometry)

ADDITIONAL INFORMATION

Related Product Information for anti-Tnfrsf11a antibody	Description: Rabbit IgG polyclonal antibody for RANK/Tnfrsf11a detection. Tested with WB, FCM, Direct ELISA in Mouse; Rat. Background: Receptor activator of nuclear factor kappa B (RANK), also known as TRANCE receptor or TNFRSF11A, is a member of the tumor. It is mapped to 1; 1 E2.1. 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.
References	1. Guerrini, M. M., Sobacchi, C., Cassani, B., Abinun, M., Kilic, S. S., Pangrazio, A., Moratto, D., Mazzolari, E., Clayton-Smith, J., Orchard, P., Coxon, F. P., Helfrich, M. H., and 9 others. Human osteoclast-poor osteopetrosis with hypogammaglobulinemia due to TNFRSF11A (RANK) mutations. Am. J. Hum. Genet. 83: 64-76, 2008. 2. Hughes, A. E., Ralston, S. H., Marken, J., Bell, C., MacPherson, H., Wallace, R. G. H., van Hul, W., Whyte, M. P., Nakatsuka, K., Hovy, L., Anderson, D. M. Mutations in TNFRSF11A, affecting the signal peptide of RANK, cause familial expansile osteolysis. Nature Genet. 24: 45-48, 2000. 3. Johnson-Pais, T. L., Singer, F. R., Bone, H. G., McMurray, C. T., Hansen, M. F., Leach, R. J. Identification of a novel tandem duplication in exon 1 of the TNFRSF11A gene in two unrelated patients with familial expansile osteolysis. J. Bone Miner. Res. 18: 376-380, 2003.

NCBI AND UNIPROT INFORMATION

NCBI GI #	17380323
NCBI GeneID	21934
UniProt Accession #	O35305
NCBI Official Full Name	Tumor necrosis factor receptor superfamily member 11A
NCBI Official Synonym Full Names	tumor necrosis factor receptor superfamily, member 11a, NFkB activator
NCBI Official Symbol	Tnfrsf11a
NCBI Official Synonym Symbols	OFE; ODFR; Rank; Ly109; mRANK; TRANCE-R
NCBI Protein Information	tumor necrosis factor receptor superfamily member 11A
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 11A
UniProt Gene Name	Tnfrsf11a
UniProt Synonym Gene Names	Rank; ODFR
UniProt Entry Name	TNR11_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.