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Anti-RANK Picoband Antibody
Catalog # ABO12103

Specification

Anti-RANK Picoband Antibody - Product Information

Application	**WB, E**
Primary Accession	O35305
Host	**Rabbit**
Reactivity	**Mouse**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for Tumor necrosis factor receptor superfamily member 11A(TNFRSF11A) detection. Tested with WB, ELISA in Mouse.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-RANK Picoband Antibody - Additional Information

Gene ID 21934

Other Names
Tumor necrosis factor receptor superfamily member 11A, Osteoclast differentiation factor receptor, ODFR, Receptor activator of NF-KB, CD265, Tnfrsf11a, Rank

Calculated MW
66621 MW KDa

Application Details
Western blot, 0.1-0.5 µg/ml, Mouse , -
ELISA , 0.1-0.5 µg/ml, Mouse

Subcellular Localization
Cell membrane ; Single-pass type I membrane protein .

Tissue Specificity
Ubiquitous expression with high levels in trabecular bone, thymus, small intestine, lung, brain and kidney. Weakly expressed in spleen and bone marrow.

Protein Name
Tumor necrosis factor receptor superfamily member 11A

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen
E. coli-derived mouse RANK recombinant protein (Position: C35-S214). Mouse RANK shares 95.6% amino acid (aa) sequence identity with rat RANK.

Purification
Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins.

Storage	**At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.**

Anti-RANK Picoband Antibody - Protein Information

Name Tnfrsf11a

Synonyms Rank

Function
Receptor for TNFSF11/RANKL/TRANCE/OPGL; essential for RANKL- mediated osteoclastogenesis (PubMed:20483727, PubMed:23478294, PubMed:9878548). Its interaction with EEIG1 promotes osteoclastogenesis via facilitating the transcription of NFATC1 and activation of PLCG2 (PubMed:23478294). Involved in the regulation of interactions between T-cells and dendritic cells (PubMed:9367155).

Cellular Location
Cell membrane {ECO:0000250|UniProtKB:Q9Y6Q6}; Single-pass type I membrane protein. Membrane raft

Tissue Location
Ubiquitous expression with high levels in trabecular bone, thymus, small intestine, lung, brain and kidney Weakly expressed in spleen and bone marrow

Anti-RANK Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-RANK Picoband Antibody - Images

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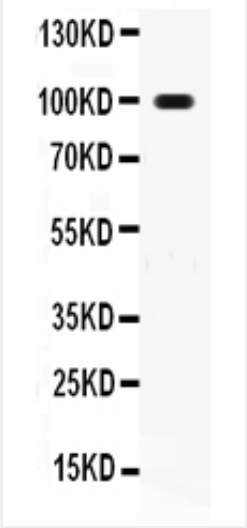

Anti- RANK Picoband antibody, ABO12103, Western blottingAll lanes: Anti RANK (ABO12103) at 0.5ug/mlWB: HEPA Whole Cell Lysate at 40ugPredicted bind size: 66KDObserved bind size: 100KD

Anti-RANK Picoband Antibody - Background

Receptor Activator of Nuclear Factor Îº B (RANK), also known as TRANCE Receptor, is a type I membrane protein that is expressed on the surface of osteoclasts and is involved in their activation upon ligand binding. RANK is also expressed on dendritic cells and facilitates immune signaling.RANKL (Receptor Activator for Nuclear Factor Îº B Ligand) is found on the surface of stromal cells, osteoblasts, and T cells. By analysis of somatic cell and radiation hybrid panels, Anderson et al. (1997) mapped the RANK gene to 18q22.1.