

Product datasheet for **TA319469**

Tnfsf11 Rabbit Polyclonal Antibody

Product data:

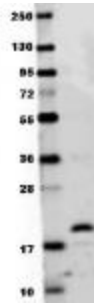
Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:10,000, WB: 1:1000
Reactivity:	Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	This IgG fraction antibody was prepared from rabbit antiserum after repeated immunizations with recombinant truncated mouse RANKL protein (aa 143-316) produced in E.coli.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	tumor necrosis factor (ligand) superfamily, member 11
Database Link:	NP_035743 Entrez Gene 117516 Rat Entrez Gene 21943 Mouse O35235
Synonyms:	CD254; hRANKL2; ODF; OPGL; OPTB2; OTTHUMP00000178585; RANKL; sOdf; TRANCE



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Note: Anti-RANK L antibody is useful in studying the regulating NF- κ B activation. Secreted cytokine RANKL (Receptor Activator of Nuclear factor kappa-B Ligand) is critically involved in osteoclastic differentiation and activation and in the regulation of specific immunity. RANKL exists as a homotrimer, is glycosylated, and occurs in 3 forms: cell-bound RANKL, which is expressed by osteoblast lineage cells, soluble RANKL (sRANKL), which is expressed by activated T lymphocytes, and a truncated ectodomain form derived from the cell-bound RANK Ligand, which is enzymatically processed by TACE (TNF-alpha converting enzyme (TACE; ADAM-17)). All three forms stimulate their specific receptor, RANK, which is located on osteoclastic and dendritic cells. RANKL binds to TNFRSF11B/OPG and to TNFRSF11A/RANK. RANKL augments the ability of dendritic cells to stimulate naive T-cell proliferation. It may be an important regulator of interactions between T-cells and dendritic cells and may play a role in the regulation of the T-cell-dependent immune response. Expression of RANKL is highest in the peripheral lymph nodes, weak in spleen, peripheral blood leukocytes, bone marrow, heart, placenta, skeletal muscle, stomach and thyroid and is up-regulated by T-cell receptor stimulation. RANKL is secreted in the soluble form.

Product images:



Anti-mouse RANKL antibody in WB shows detection of recombinant mouse RANKL raised in E.coli. Recombinant truncated protein (0.1 ug, 19.9 kDa) was loaded on to an SDS-PAGE gel, and after separation, transferred to nitrocellulose. The membrane was incubated with Anti-Mouse RANKL antibody diluted 1:1,000 in 1% BSA in TBST overnight at 4°C. After washes, the blot was reacted with secondary antibody Dylight™ 649 Conjugated Anti-Rabbit IgG (H&L) (Goat) Antibody (611-143-122) diluted 1:20,000.