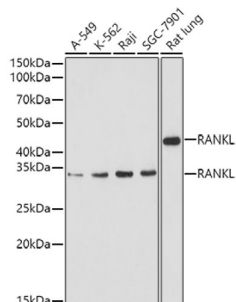
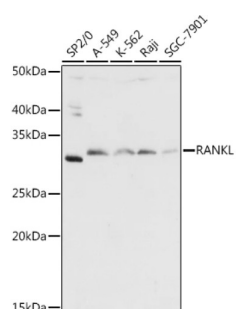


Tumor Necrosis Factor Ligand Superfamily Member 11 / RANKL (TNFSF11) Antibody

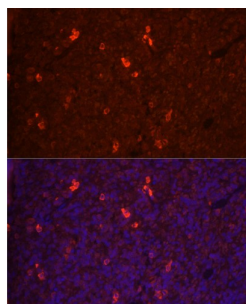
Catalogue No.: abx001988



Western blot analysis of extracts of various cell lines using RANKL Antibody (1/1000 dilution).



Western blot analysis of extracts of various cell lines using RANKL Antibody (1/1000 dilution).



Immunofluorescence analysis of rat spleen cells using RANKL antibody (1/100 dilution, 40x lens). Blue: DAPI for nuclear staining.

TNFSF11 Antibody is a Rabbit Polyclonal antibody against TNFSF11. This gene encodes a member of the tumor necrosis factor (TNF) cytokine family which is a ligand for osteoprotegerin and functions as a key factor for osteoclast differentiation and activation. This protein was shown to be a dendritic cell survival factor and is involved in the regulation of T cell-dependent immune response. T cell activation was reported to induce expression of this gene and lead to an increase of osteoclastogenesis and bone loss. This protein was shown to activate antiapoptotic kinase AKT/PKB through a signaling complex involving SRC kinase and tumor necrosis factor receptor-associated factor (TRAF) 6, which indicated this protein may have a role in the regulation of cell apoptosis. Targeted disruption of the related gene in mice led to severe osteopetrosis and a lack of osteoclasts. The deficient mice exhibited defects in early differentiation of T and B lymphocytes, and failed to form lobulo-alveolar mammary structures during pregnancy. Two alternatively spliced transcript variants have been found.

Target: Tumor Necrosis Factor Ligand Superfamily Member 11 / RANKL (TNFSF11)

Clonality: Polyclonal

Reactivity: Human, Mouse, Rat

Datasheet

Version: 4.0.0
Revision date: 11 Mar 2025



Tested Applications: WB, IF/ICC

Host: Rabbit

Recommended dilutions: WB: 1/500 - 1/2000, IF/ICC: 1/50 - 1/200. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: Recombinant fusion protein corresponding to human RANKL

Isotype: IgG

Form: Liquid

Purification: Purified by affinity chromatography.

Storage: Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

UniProt Primary AC: O14788 ([UniProt](#), [ExPASy](#))

Gene Symbol: TNFSF11

GeneID: [8600](#)

NCBI Accession: NP_003692.1

Molecular Weight: Calculated MW: 27 kDa/30 kDa/35 kDa
Observed MW: 31 kDa/45 kDa

Buffer: PBS, pH 7.3, containing 0.01% thiomersal, 50% glycerol.

Concentration: 1 mg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.