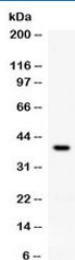


RANKL Antibody (R32452)

Catalog No.	Formulation	Size
R32452	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q9ESE2
Applications	Western Blot : 0.5-1ug/ml ELISA : 0.1-0.5ug/ml (mouse protein tested); request BSA-free format for coating
Limitations	This RANKL antibody is available for research use only.



Western blot testing of rat brain lysate with RANKL antibody at 0.5ug/ml. Expected molecular weight: 35-40 kDa.

Description

Receptor activator of nuclear factor kappa-B ligand (RANKL), also known as tumor necrosis factor ligand superfamily member 11 (TNFSF11), is a protein that in humans is encoded by the TNFSF11 gene. 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. It is mapped to chromosome13q14.11. 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. This gene may play an

important role in enhanced bone-resorption in humoral hypercalcemia of malignancy.

Application Notes

Optimal dilution of the RANKL antibody should be determined by the researcher.

Immunogen

Amino acids F141-D318 from the rat protein were used as the immunogen for the RANKL antibody.

Storage

Prior to reconstitution, store at 4oC. After reconstitution, the RANKL antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.