RANK Antibody (R30453)

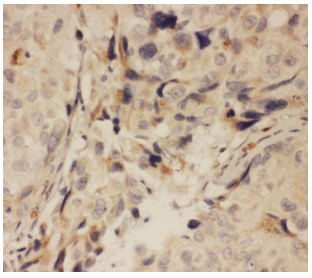
Catalog No.	Formulation	Size
R30453	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
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/thimerosal
UniProt	Q9Y6Q6
Localization	Cytoplasmic, membranous
Applications	Western blot: 0.5-1ug/ml IHC (FFPE): 0.5-1ug/ml
Limitations	This RANK antibody is available for research use only.



Western blot testing of RANK antibody and Lane 1: recombinant human protein 10ng; 2: 5ng; 3: 2.5ng



IHC testing of FFPE human breast cancer tissue with RANK antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to tetsting.

Description

Receptor Activator of Nuclear Factor K B, also known as TRANCE Receptor and Tumor necrosis factor receptor superfamily member 11A (TNFRSF11A), 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 K 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.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the RANK antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the N-terminus of human RANK (QIAPPCTSEKHYEHLG) was used as the immunogen for this RANK antibody.

Storage

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

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