

RANKL Rabbit Polyclonal Antibody



CAB13567

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

35kDa

Calculated MW:

27kDa/30kDa/35kDa

Applications:

WB IHC IF

Reactivity:

Human, Mouse, Rat

Antibody Information

Recommended dilutions:

WB 1:500 - 1:1000 IHC 1:50
- 1:200 IF 1:50 - 1:200

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Protein Background

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.

Immunogen information

Gene ID:

8600

Uniprot

O14788

Synonyms:

TNFSF11; CD254; ODF; OPGL; OPTB2; RANKL; TNLG6B; TRANCE;
hRANKL2; sOdf

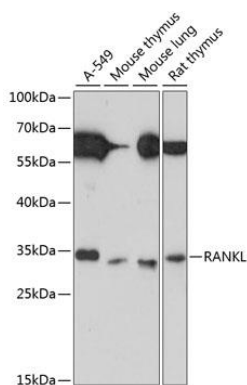
Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 78-317 of human RANKL (NP_003692.1).

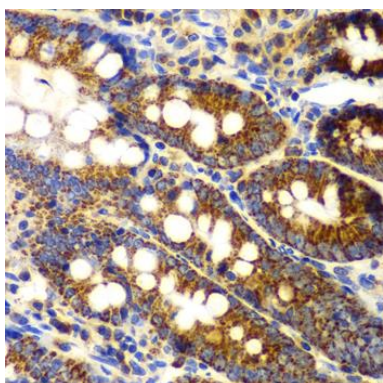
Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

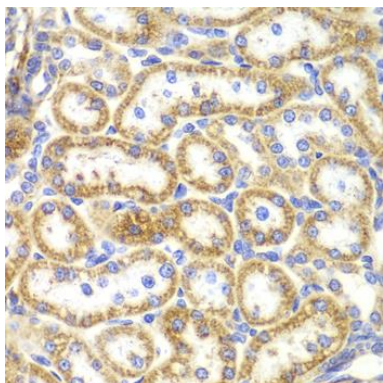
Product Images



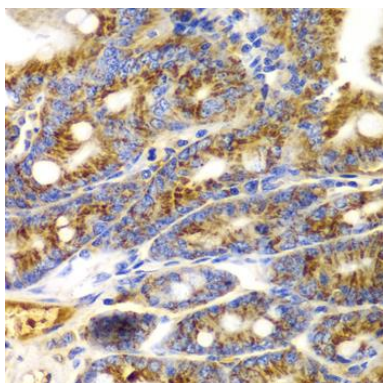
Western blot analysis of extracts of various cell lines, using RANKL antibody (CAB13567) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 5min.



Immunohistochemistry of paraffin-embedded rat Intestine using RANKL antibody (CAB13567) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded rat kidney using RANKL antibody (CAB13567) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse Intestine using RANKL antibody (CAB13567) at dilution of 1:100 (40x lens).