

# RANKL Rabbit Polyclonal Antibody



CAB16326

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

35kDa

### Calculated MW:

27kDa/30kDa/35kDa

### Applications:

WB

### Reactivity:

Human

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:1000

### 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:

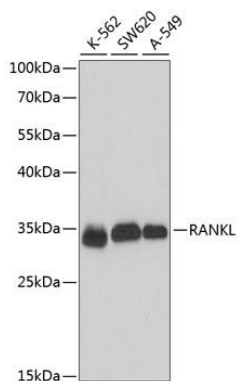
Recombinant fusion protein containing a sequence corresponding to amino acids 78-317 of human RANKL (NP\_003692.1).

### Storage:

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

## Product Images

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Western blot analysis of extracts of various cell lines, using RANKL antibody (CAB16326) 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.