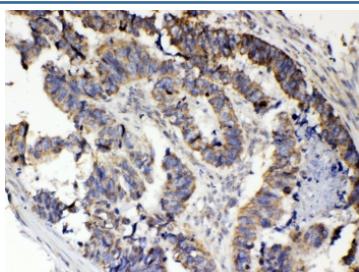


## RANK Antibody (R32806)

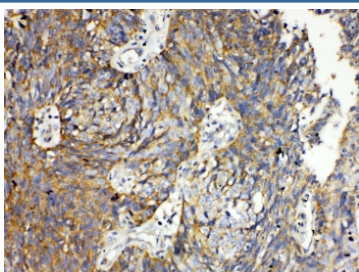
| Catalog No. | Formulation   | Size   |
|-------------|---|--------|
| R32806      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

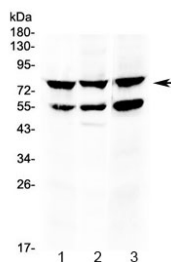
|                           |  |
|---------------------------|--|
| <b>Availability</b>       | 1-3 business days  |
| <b>Species Reactivity</b> | Human, Mouse, Rat  |
| <b>Format</b>             | Antigen affinity purified                                  |
| <b>Host</b>               | Rabbit   |
| <b>Clonality</b>          | Polyclonal (rabbit origin)                                 |
| <b>Isotype</b>            | Rabbit IgG   |
| <b>Purity</b>             | Antigen affinity   |
| <b>Buffer</b>             | Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide |
| <b>UniProt</b>            | Q9Y6Q6   |
| <b>Localization</b>       | Cytoplasmic, membranous                                    |
| <b>Applications</b>       | Western Blot : 0.5-1ug/ml<br>IHC (FFPE) : 1-2ug/ml         |
| <b>Limitations</b>        | This RANK antibody is available for research use only.     |



IHC testing of FFPE human intestinal 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 testing.



IHC testing of FFPE human lung 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 testing.



Western blot testing of 1) rat thymus, 2) mouse thymus and 3) human HepG2 lysate with RANK antibody at 0.5ug/ml. Predicted molecular weight ~66 kDa, routinely observed at 80~100 kDa.

## Description

Receptor Activator of Nuclear Factor  $\kappa$ B (RANK), also known as TRANCE Receptor, 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. It is found on the surface of stromal cells, osteoblasts, and T cells. By analysis of somatic cell and radiation hybrid panels, this gene is mapped to 18q22.1.

## Application Notes

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

## Immunogen

Amino acids 235-262 (YRKKGKALTANLWHWINEACGRLSGDKE) from the human protein were used as the immunogen for the RANK antibody.

## Storage

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