

Datasheet for ABIN7173790
anti-RANKL antibody (AA 73-306)



[Go to Product page](#)

3 Images

Overview

| | |
|----------------------|--|
| Quantity: | 100 µg |
| Target: | RANKL (TNFSF11) |
| Binding Specificity: | AA 73-306 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This RANKL antibody is un-conjugated |
| Application: | ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF) |

Product Details

| | |
|-------------------|---|
| Immunogen: | Recombinant Human Tumor necrosis factor ligand superfamily member 11 protein (73-306AA) |
| Isotype: | IgG |
| Cross-Reactivity: | Human |
| Purification: | >95%, Protein G purified |

Target Details

| | |
|-------------------|---|
| Target: | RANKL (TNFSF11) |
| Alternative Name: | TNFSF11 (TNFSF11 Products) |
| Background: | Background: Cytokine that binds to TNFRSF11B/OPG and to TNFRSF11A/RANK. Osteoclast differentiation and activation factor. Augments the ability of dendritic cells to stimulate naive T- |

Target Details

cell proliferation. May be an important regulator of interactions between T-cells and dendritic cells and may play a role in the regulation of the T-cell-dependent immune response. May also play an important role in enhanced bone-resorption in humoral hypercalcemia of malignancy (PubMed:22664871). Induces osteoclastogenesis by activating multiple signaling pathways in osteoclast precursor cells, chief among which is induction of long lasting oscillations in the intracellular concentration of Ca (2+) resulting in the activation of NFATC1, which translocates to the nucleus and induces osteoclast-specific gene transcription to allow differentiation of osteoclasts. During osteoclast differentiation, in a TMEM64 and ATP2A2-dependent manner induces activation of CREB1 and mitochondrial ROS generation necessary for proper osteoclast generation (By similarity).

Aliases: CD254 antibody, hRANKL2 antibody, ODF antibody, OPGL antibody, OPTB2 antibody, Osteoclast differentiation factor antibody, Osteoprotegerin ligand antibody, RANKL antibody, Receptor activator of NF-kappa-B ligand antibody, Receptor activator of nuclear factor kappa B ligand antibody, Receptor activator of nuclear factor kappa-B ligand antibody, sOdf antibody, soluble form antibody, TNF-related activation-induced cytokine antibody, TNF11_HUMAN antibody, Tnfsf11 antibody, TRANCE antibody, Tumor necrosis factor (ligand) superfamily member 11 antibody, Tumor necrosis factor ligand superfamily member 11 antibody

UniProt: [O14788](#)

Pathways: [NF-kappaB Signaling](#)

Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

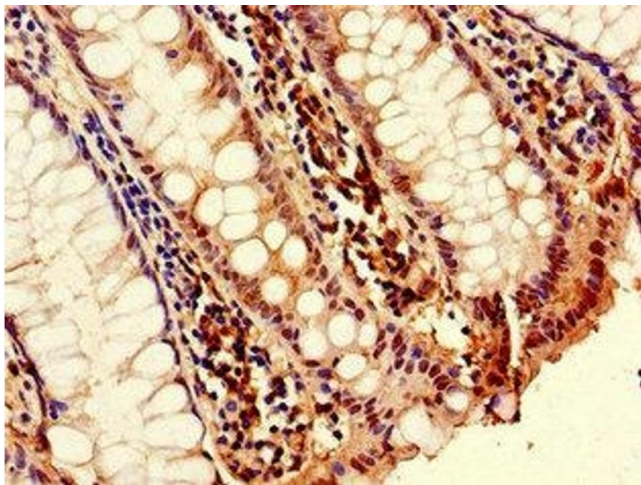
Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Handling

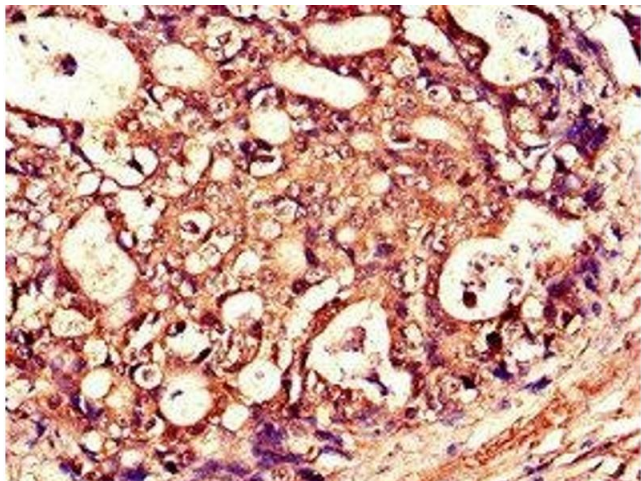
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



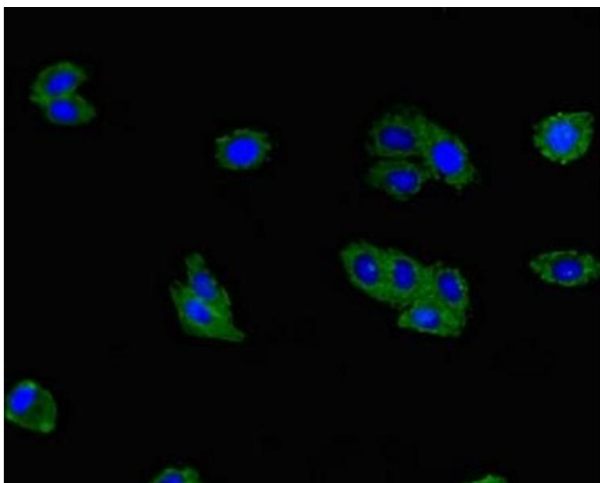
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human colon cancer using ABIN7173790 at dilution of 1:100



Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded human gastric cancer using ABIN7173790 at dilution of 1:100



Immunofluorescence

Image 3. Immunofluorescent analysis of HepG2 cells using ABIN7173790 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)