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# Osteoprotegerin Rabbit mAb

Catalog # AP78757

## Product Information

| | |
|---|---|
| **Application** | IHC-P, IF, ICC |
| **Primary Accession** | O00300 |
| **Reactivity** | Human |
| **Host** | Rabbit |
| **Clonality** | Monoclonal Antibody |
| **Isotype** | IgG |
| **Conjugate** | Unconjugated |
| **Immunogen** | A synthesized peptide derived from human Osteoprotegerin |
| **Purification** | Affinity Chromatography |
| **Calculated MW** | 46026 |

## Additional Information

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| **Gene ID** | 4982 |
| **Other Names** | TNFRSF11B |
| **Dilution** | IHC-P~~N/A IF~~1:50~200 ICC~~N/A |
| **Format** | Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol. |
| **Storage** | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |

## Protein Information

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|---|---|
| **Name** | TNFRSF11B |
| **Synonyms** | OCIF, OPG |
| **Function** | Acts as a decoy receptor for TNFSF11/RANKL and thereby neutralizes its function in osteoclastogenesis. Inhibits the activation of osteoclasts and promotes osteoclast apoptosis in vitro. Bone homeostasis seems to depend on the local ratio between TNFSF11 and TNFRSF11B. May also play a role in preventing arterial calcification. May act as decoy receptor for TNFSF10/TRAIL and protect against apoptosis. TNFSF10/TRAIL binding blocks the inhibition of osteoclastogenesis. |
| **Cellular Location** | Secreted. |
| **Tissue Location** | Highly expressed in adult lung, heart, kidney, liver, spleen, thymus, prostate, ovary, small intestine, thyroid, lymph node, trachea, adrenal gland, testis, and |

bone marrow. Detected at very low levels in brain, placenta and skeletal muscle. Highly expressed in fetal kidney, liver and lung

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