

Osteoprotegerin Antibody

Rabbit mAb Catalog # AP92717

Specification

Osteoprotegerin Antibody - Product Information

Application IHC, ICC
Primary Accession O00300
Clonality Monoclonal

Other Names

OCIF; OPG; Osteoclastogenesis inhibitory factor; Osteoprotegerin; PDB5; TNFRSF11B; TR1;

Isotype Rabbit IgG
Host Rabbit
Calculated MW 46026 Da

Osteoprotegerin Antibody - Additional Information

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human

Osteoprotegerin

Description Acts as decoy receptor for 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 RANKL/OPG ratio. May also play a role in preventing arterial calcification. May act as decoy receptor for TRAIL and protect against apoptosis. TRAIL binding blocks the

inhibition of osteoclastogenesis.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline ,

pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid

freeze / thaw cycle.

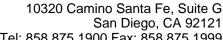
Osteoprotegerin Antibody - Protein Information

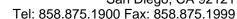
Name TNFRSF11B

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

Osteoprotegerin Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Osteoprotegerin Antibody - Images