

Osteoprotegerin Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 250800

Unit: 0.1 mg

Description:

Osteoprotegerin (OPG) acts as a decoy receptor for RANKL by neutralizing its function in osteoclastogenesis. OPG inhibits osteoclast activation and promotes osteoclast apoptosis in vitro. OPG is up-regulated by increasing calcium concentration and estrogens. Defects in OPG are the cause of juvenile Paget disease, which is characterized by rapid bone remodeling leading to deformities, fractures and osteopenia.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: B, Hs, H, M, P, R

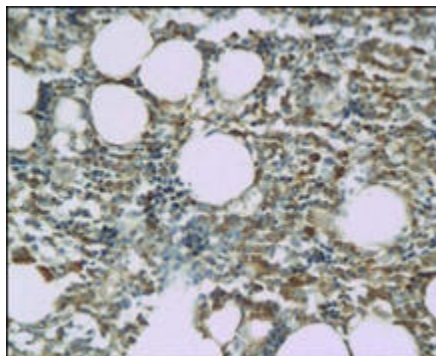
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4, 25% glycerol, 0.1 mg/ml BSA with 0.09% sodium azide. Antibody was purified by Protein-A and immunogen affinity chromatography.

Alternate Names: Tumor necrosis factor receptor superfamily member 11B; Osteoprotegerin; Osteoclastogenesis inhibitory factor; TNFRSF11B; OCIF; OPG

Accession No.: O00300

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human osteoprotegerin.

Application Notes: E: 1:500-1:1,000; WB: 1:200-1:500; IHC: 1:200-1:500



Osteoprotegerin staining of rat articular cartilage disk. Paraffin-embedded rat articular cartilage disk tissue is stained with Osteoprotegerin Antibody (Cat. No. 250800) used at 1:200 dilution.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

Product Citations: [1] Fradet A et al. 2013. PLoS ONE. 8(9):e75092. PMID# 24069383. [2] Thormann U et al. 2013. Biomaterials. doi: 10.1016/j.biomaterials.2013.07.036. PMID# 23906515. [3] Fradet A et al. 2011. Cancer Research. 71(17):5728-5738. PMID# 21734015.

For research use only, not for diagnostic or therapeutic procedures.