

Osteoprotegerin / OPG Antibody (aa1-50)
Rabbit Polyclonal Antibody
Catalog # ALS16301**Specification**

Osteoprotegerin / OPG Antibody (aa1-50) - Product Information

Application	IHC, WB
Primary Accession	O00300
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46kDa KDa

Osteoprotegerin / OPG Antibody (aa1-50) - Additional Information**Gene ID** 4982**Other Names**

Tumor necrosis factor receptor superfamily member 11B, Osteoclastogenesis inhibitory factor, Osteoprotegerin, TNFRSF11B, OCIF, OPG

Target/Specificity

Human Osteoprotegerin / OPG

Reconstitution & Storage

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

Precautions

Osteoprotegerin / OPG Antibody (aa1-50) is for research use only and not for use in diagnostic or therapeutic procedures.

Osteoprotegerin / OPG Antibody (aa1-50) - 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

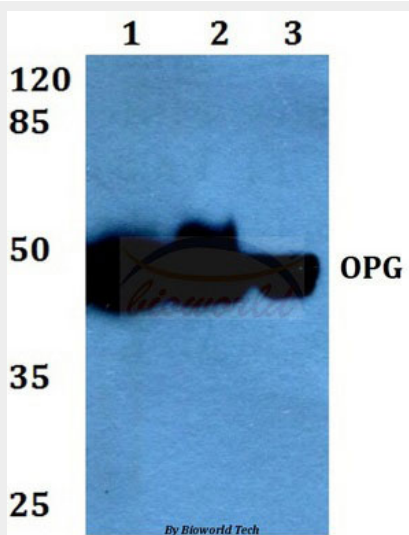
Osteoprotegerin / OPG Antibody (aa1-50) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Osteoprotegerin / OPG Antibody (aa1-50) - Images

Anti-Osteoprotegerin / OPG antibody IHC staining of human heart.



Western blot analysis of OPG (P25) pAb at a 1:500 dilution.

Osteoprotegerin / OPG Antibody (aa1-50) - Background

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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.

Osteoprotegerin / OPG Antibody (aa1-50) - References

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Ota T.,et al.Nat. Genet. 36:40-45(2004).
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