

## OPG (P25) polyclonal antibody

Catalog: BS1862

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

The cytokine osteoprotegerin (OPG), also designated osteoclastogenesis inhibitory factor (OCIF), is known to inhibit osteoclast formation. A secreted glycoprotein, OPG is a member of the TNF receptor family that increases bone density and volume. OPG is thought to inhibit osteoclastogenesis by disrupting the cell-to-cell signaling between osteoblastic stromal cells and osteoclast progenitors. OPG is known to bind to TRAIL, a death domain-containing protein, and to inhibit TRAIL apoptosis in Jurkat cells. OPG also binds to osteoclast differentiation factor (ODF), also known as TRANCE/RANKL, a membrane-bound protein belonging to the TNF ligand family. Both TNF $\alpha$  and TNF $\beta$  upregulate OPG expression, while the bone resorbing agent prostaglandin E2 downregulates OPG.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

### Molecular Weight:

~ 46 kDa

### Swiss-Prot:

O00300

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000 IHC: 1:50~1:200 IF: 1:50~1:200

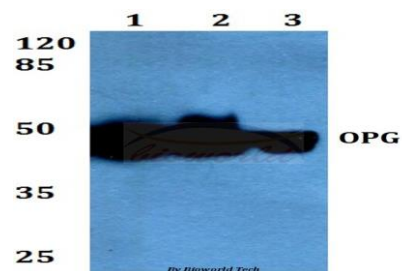
### Storage&Stability:

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

### Specificity:

OPG (P25) polyclonal antibody detects endogenous levels of Osteoprotegerin protein.

### DATA:

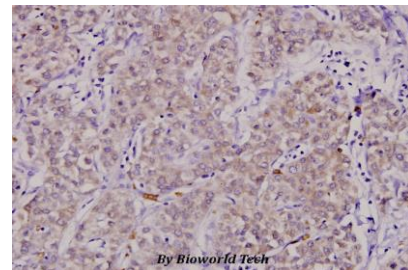


Western blot (WB) analysis of OPG (P25) polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate

Lane2:Raw264.7 whole cell lysate

Lane3:H9C2 whole cell lysate



Immunohistochemistry (IHC) analyzes of OPG (P25) pAb in paraffin-embedded liver cancer tissue at 1:100.

### Note:

For research use only, not for use in diagnostic procedure.

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