

## Product datasheet for **PP1107P1**

### Osteoprotegerin (TNFRSF11B) Rabbit Polyclonal Antibody

#### Product data:

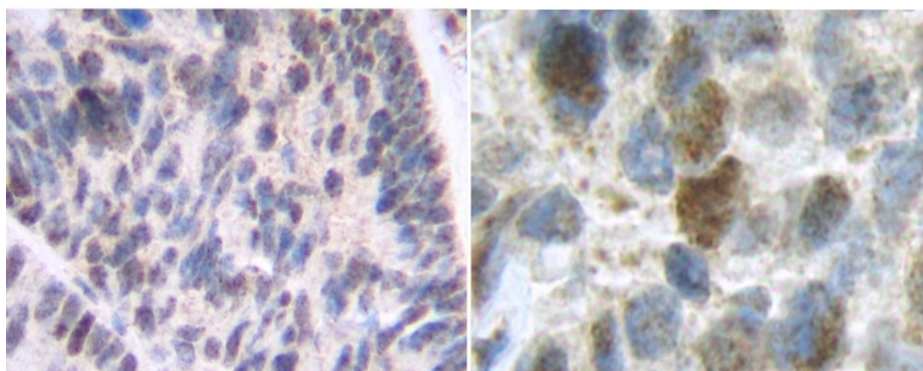
Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	<p><b>Sandwich ELISA:</b> To detect Human OPG by Sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5–2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with Biotinylated anti-Human OPG antibody (<i>Cat.-No</i> PP1107B1 or PP1107B2) as a detection antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant Human OPG.</p> <p><b>Western Blot</b> To detect Human OPG by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Human OPG is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.</p> <p><b>Immunohistochemistry:</b> This antibody stained Formalin-Fixed Paraffin-Embedded Sections of Human breast invasive ductal carcinoma.</p> <p>Use at 0.5 µg/ml with overnight incubation at 4°C. An HRP-labeled polymer detection system was used with a DAB chromogen. Heat induced antigen retrieval with a pH 6.0 Sodium Citrate buffer is recommended.</p>
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly purified (> 98%) <i>E. Coli</i> derived recombinant Human OPG ( <i>Cat.-No</i> PA159)
Specificity:	Recognizes Human Osteoprotegerin (hOPG). Other species not tested.
Formulation:	PBS, pH 7.2 without preservatives State: Aff - Purified State: Lyophilized (sterile filtered) purified Ig fraction
Reconstitution Method:	Restore in sterile water to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity Chromatography employing immobilized hOPG matrix
Conjugation:	Unconjugated



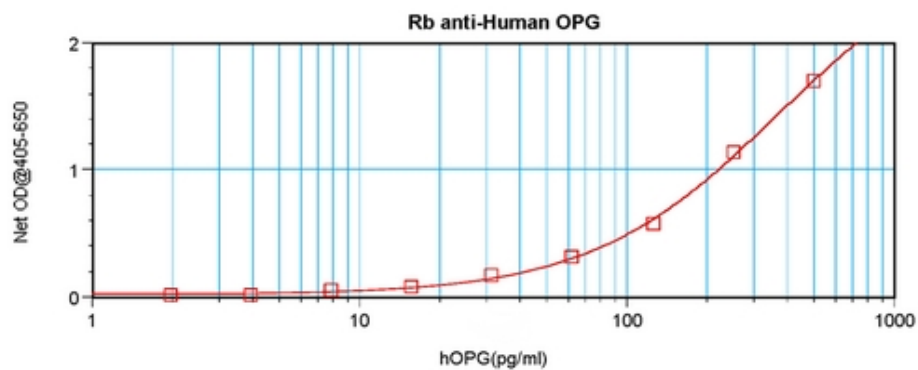
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<b>Storage:</b>	Prior to reconstitution store at 2-8°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	tumor necrosis factor receptor superfamily member 11b
<b>Database Link:</b>	<a href="#">Entrez Gene 4982 Human O00300</a>
<b>Background:</b>	Osteoprotegerin (OPG) is a member of the TNF receptor superfamily. This protein is an osteoblast-secreted decoy receptor that functions as a negative regulator of bone resorption. This protein specifically binds to its ligand, osteoprotegerin ligand (TNFSF11/OPGL), both of which are key extracellular regulators of osteoclast development. Studies of the mouse counterpart also suggest this protein and its ligand play a role in lymph-node organogenesis and vascular calcification. Alternatively spliced transcript variants of the gene have been reported, but their full length nature has not been determined.
<b>Synonyms:</b>	OPG, OCIF
<b>Note:</b>	Centrifuge vial prior to opening!

### Product images:



Formalin-fixed, paraffin-embedded sections of human breast invasive ductal carcinoma stained with Osteoprotegerin Antibody Cat.-No [PP1107P]. Tissue samples were provided by the Cooperative Human Tissue Network which is funded by the National Cancer Institute.



Sandwich ELISA using Osteoprotegerin Antibody  
Cat.-No [PP1107P]