

Product datasheet for **PP1107P2**

Osteoprotegerin (TNFRSF11B) Rabbit Polyclonal Antibody

Product data:

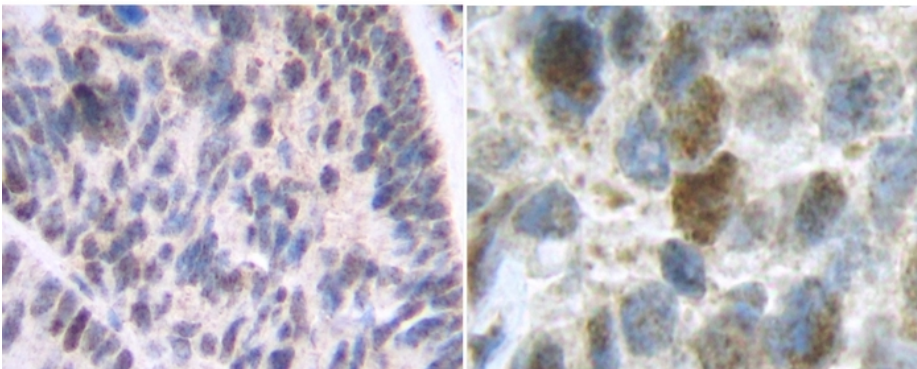
Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	Sandwich ELISA: To detect Human OPG by Sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5–2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with Biotinylated 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. Western Blot 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. Immunohistochemistry: This antibody stained Formalin-Fixed Paraffin-Embedded Sections of Human breast invasive ductal carcinoma. 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.
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



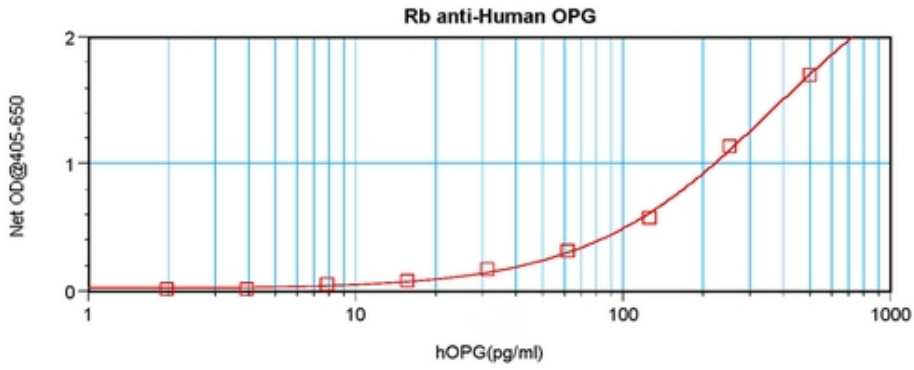
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Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	tumor necrosis factor receptor superfamily member 11b
Database Link:	Entrez Gene 4982 Human O00300
Background:	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.
Synonyms:	OPG, OCIF
Note:	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]