

Anti-OPG Rabbit pAb



WL02078

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-OPG Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	WB	1:500-1:1000
	IHC	1:100-1:400
Cellular localization	Secreted	
Pack size	50/100/200/500/1000μl	
Storage	Store at -20°C. Avoid freeze/thaw cycles.	
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μg/ml	
	BSA, 50% glycerol and less than 0.02% sodium azide	

General Information

Background	OPG is a member of the TNF-receptor superfamily. It is an osteoblast-secreted decoy receptor that functions as a negative regulator of bone resorption. 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 also binds to osteoclast differentiation factor (ODF), also known as TRANCE/RANKL, a membrane-bound protein belonging to the TNF ligand family. Studies of the mouse counterpart also suggest that this protein and its ligand play a role in lymph-node organogenesis and vascular calcification.
Immunogen	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of OPG.
Purification	Polyclonal antibody was purified by immunogen affinity chromatography.

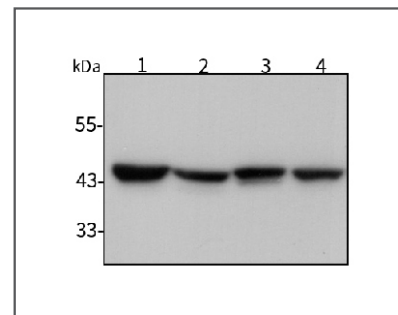
Anti-OPG Rabbit pAb



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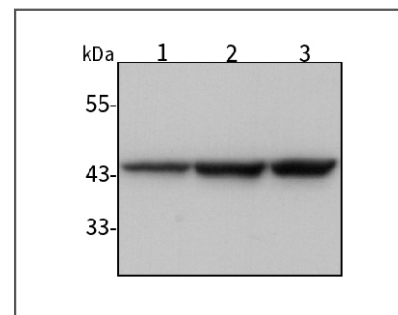
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Product Images



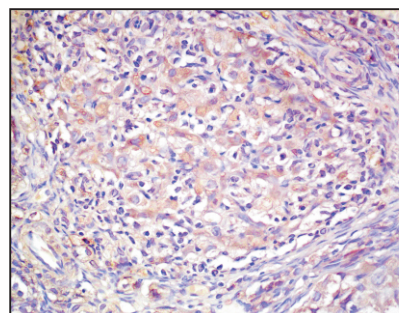
Western blot-Anti-OPG pAb

Lane 1: Human HepG2 cell lysate
Lane 2: Human Hela cell lysate
Lane 3: Human BGC-823 cell lysate
Lane 4: Human MGC-803 cell lysate
All lanes: Anti-OPG at 1:1000 dilution
 Lysates/proteins at 20-50 μg per lane.
 Predicted band size: 46 kDa
 Observed band size: 46-56 kDa



Western blot-Anti-OPG pAb

Lane 1: Mouse kidney tissue lysate
Lane 2: Mouse heart tissue lysate
Lane 3: Rat colon tissue lysate
All lanes: Anti-OPG at 1:1000 dilution
 Lysates/proteins at 20-50 μg per lane.
 Predicted band size: 46 kDa
 Observed band size: 46-56 kDa



Immunohistochemistry-Anti-OPG pAb

Immunohistochemical analysis of paraffin-embedded rat ovary using anti-OPG Rabbit Antibody at 1:200 dilution.
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0