

For Research Use Only

Osteoprotegerin/TNFRSF11B Recombinant antibody

Catalog Number: 83506-1-RR



Basic Information

Catalog Number: 83506-1-RR	GenBank Accession Number: BC030155	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 4982	CloneNo.: 240168E9
Source: Rabbit	UNIPROT ID: O00300	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:500-1:2000
Isotype: IgG	Full Name: tumor necrosis factor receptor superfamily, member 11b	
Immunogen Catalog Number: AG2139	Calculated MW: 401 aa, 46 kDa	
	Observed MW: 56 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, rat	WB : human milk, IHC : rat kidney tissue,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

Osteoprotegerin (OPG), also known as tumor necrosis factor receptor superfamily member 11B (TNFRSF11B) and osteoclastogenesis inhibitory factor (OCIF), belongs to the tumor necrosis factor (TNF) receptor superfamily. By binding to RANKL, OPG inhibits osteoclastic activity and promotes bone formation. OPG plays a key role in cell survival by inhibiting TRAIL-induced apoptosis. OPG also is involved in vascular biology, fibrosis, immunity, EMT, and the apoptosis of cancer cells (PMID: 35523775).

Storage

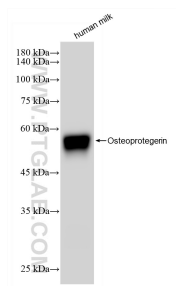
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

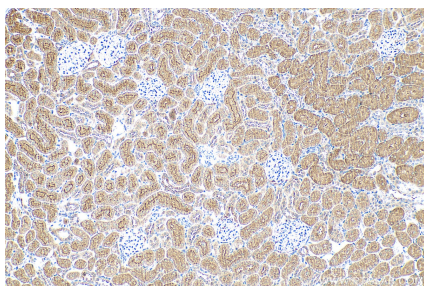
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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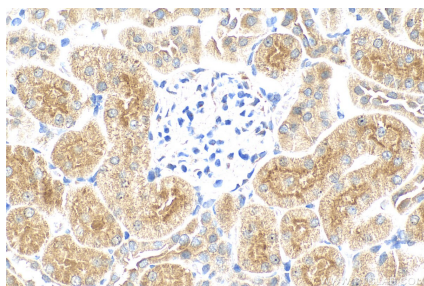
Selected Validation Data



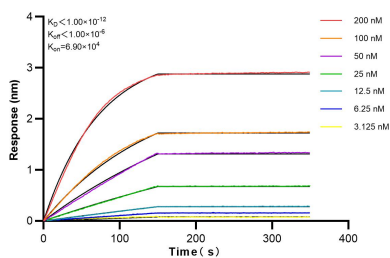
human milk was subjected to SDS PAGE followed by western blot with 83506-1-RR (Osteoprotegerin/TNFRSF11B antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using 83506-1-RR (Osteoprotegerin/TNFRSF11B antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using 83506-1-RR (Osteoprotegerin/TNFRSF11B antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 83506-1 against Human Osteoprotegerin/TNFRSF11B were performed. The affinity constant is below 1 pM.