

For Research Use Only

Osteoprotegerin/TNFRSF11B Polyclonal antibody

Catalog Number: 31766-1-AP



Basic Information

Catalog Number: 31766-1-AP	GenBank Accession Number: NM_002546.4	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 550 ug/ml by Nanodrop;	GeneID (NCBI): 4982	Recommended Dilutions: WB 1:1000-1:6000
Source: Rabbit	UNIPROT ID: O00300	IHC 1:200-1:800
Isotype: IgG	Full Name: tumor necrosis factor receptor superfamily, member 11b	IF/ICC 1:50-1:500
Immunogen Catalog Number: EG0976	Calculated MW: 46kDa	
	Observed MW: 56-60 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : mouse brain tissue, rat brain tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : rat kidney tissue,
	IF/ICC : HepG2 cells,

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 formations. OPG plays a key role on 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

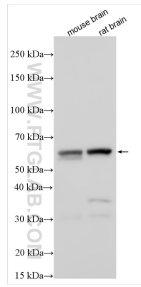
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

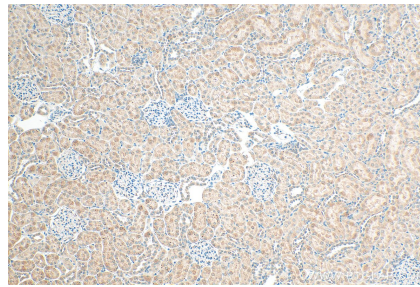
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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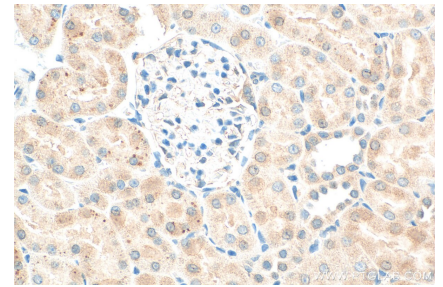
Selected Validation Data



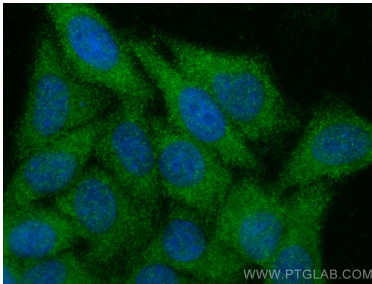
Various lysates were subjected to SDS PAGE followed by western blot with 31766-1-AP (Osteoprotegerin/TNFRSF11B antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using 31766-1-AP (Osteoprotegerin/TNFRSF11B antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using 31766-1-AP (Osteoprotegerin/TNFRSF11B antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using Osteoprotegerin/TNFRSF11B antibody (31766-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).