

For Research Use Only

Osteoprotegerin/TNFRSF11B Polyclonal antibody

Catalog Number: 11534-1-AP

3 Publications



Basic Information

Catalog Number:

11534-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2139

GenBank Accession Number:

BC030155

GeneID (NCBI):

4982

UNIPROT ID:

O00300

Full Name:

tumor necrosis factor receptor superfamily, member 11b

Calculated MW:

401 aa, 46 kDa

Observed MW:

56 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:400-1:1600

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human

Cited Species:

human, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : human milk,

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 promoting bone formation. 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).

Notable Publications

Author	Pubmed ID	Journal	Application
Wan-Zhen Yan	39272543	Foods	WB
Jinghong Luo	38509482	BMC Oral Health	IHC
Pei-Long Liu	37197158	Anal Cell Pathol (Amst)	WB

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

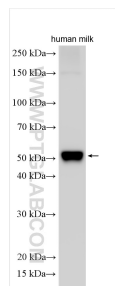
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

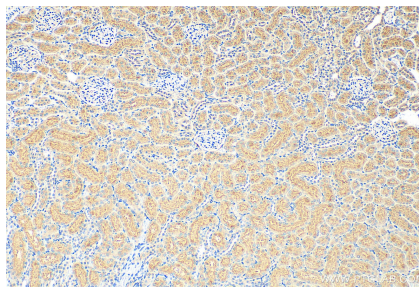
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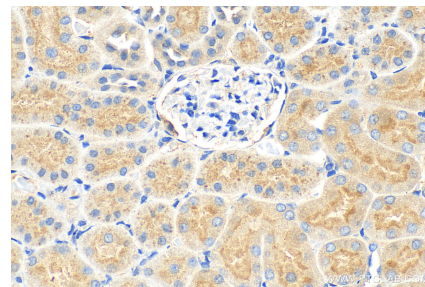
Selected Validation Data



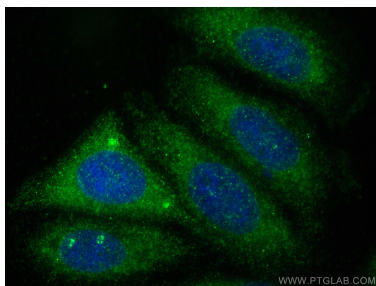
human milk was subjected to SDS PAGE followed by western blot with 11534-1-AP (Osteoprotegerin/TNFRSF11B antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using 11534-1-AP (Osteoprotegerin/TNFRSF11B antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using 11534-1-AP (Osteoprotegerin/TNFRSF11B antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using Osteoprotegerin antibody (11534-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).