

For Research Use Only

Osteoprotegerin/TNFRSF11B Polyclonal antibody, PBS Only

Catalog Number: 11534-1-PBS



Basic Information

Catalog Number:

11534-1-PBS

Size:

100ug, Concentration: 1 mg/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

Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, rat

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).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

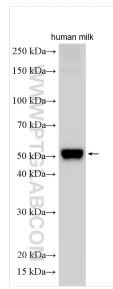
For technical support and original validation data for this product please contact:

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

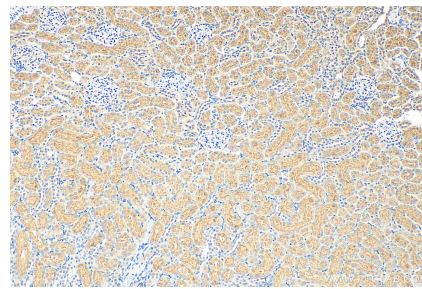
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

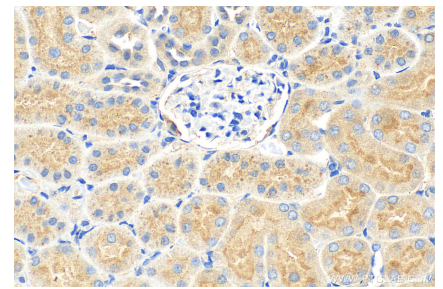
Selected Validation Data



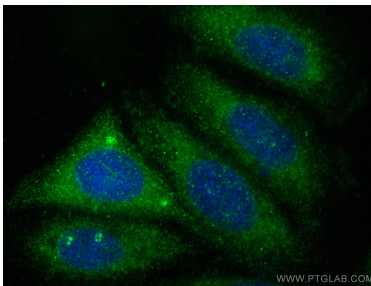
human milk was subjected to SDS PAGE followed by western blot with 11534-1-AP (Osteoprotegerin/TNFRSF11B antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 11534-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 11534-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 11534-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 11534-1-PBS in a different storage buffer formulation.