

For Research Use Only

Osteoprotegerin/TNFRSF11B Recombinant antibody, PBS Only

Catalog Number: 83506-1-PBS



Basic Information

Catalog Number:

83506-1-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:

Protein A purification

CloneNo.:

240168E9

Applications

Tested Applications:

WB, IHC, 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 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 -80°C.

Storage Buffer:

PBS Only

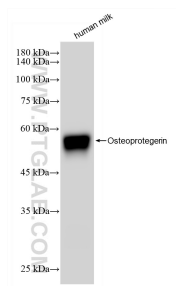
For technical support and original validation data for this product please contact:

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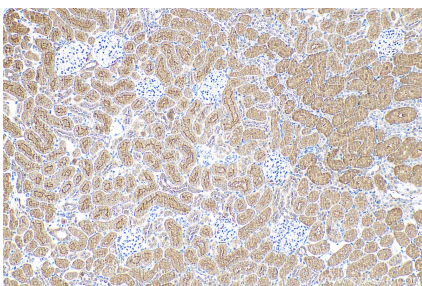
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W: ptglab.com

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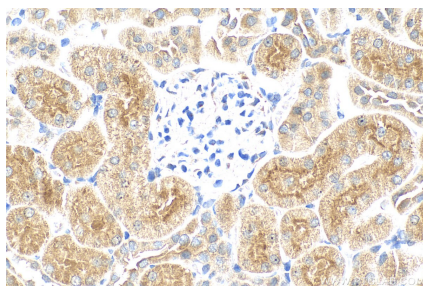
Selected Validation Data



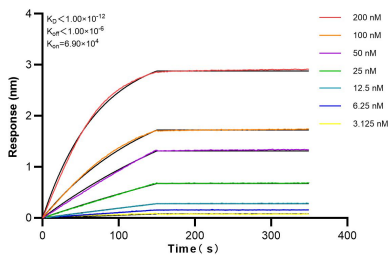
human milk was subjected to SDS PAGE followed by western blot with 83506-1-RR (Osteoprotegerin/TNFRSF11B antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83506-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 83506-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 83506-1-PBS in a different storage buffer formulation.



Bioluminescence resonance energy transfer (BLI) kinetic assays of 83506-1 against Human Osteoprotegerin/TNFRSF11B were performed. The affinity constant is below 1 pM.