

TNFRSF11B antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI16167

Specification

TNFRSF11B antibody - N-terminal region - Product Information

Application	WB
Primary Accession	O00300
Other Accession	NM_002546 , NP_002537
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46kDa KDa

TNFRSF11B antibody - N-terminal region - Additional Information

Gene ID 4982

Alias Symbol OPG, TR1, OCIF

Other Names

Tumor necrosis factor receptor superfamily member 11B, Osteoclastogenesis inhibitory factor, Osteoprotegerin, TNFRSF11B, OCIF, OPG

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 100 ul of distilled water. Final anti-TNFRSF11B antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

TNFRSF11B antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

TNFRSF11B antibody - N-terminal region - Protein Information

Name TNFRSF11B

Synonyms OCIF, OPG

Function

Acts as a decoy receptor for TNFSF11/RANKL and thereby neutralizes its function in osteoclastogenesis. Inhibits the activation of osteoclasts and promotes osteoclast apoptosis in vitro. Bone homeostasis seems to depend on the local ratio between TNFSF11 and TNFRSF11B. May also play a role in preventing arterial calcification. May act as decoy receptor for

TNFSF10/TRAIL and protect against apoptosis. TNFSF10/TRAIL binding blocks the inhibition of osteoclastogenesis.

Cellular Location

Secreted.

Tissue Location

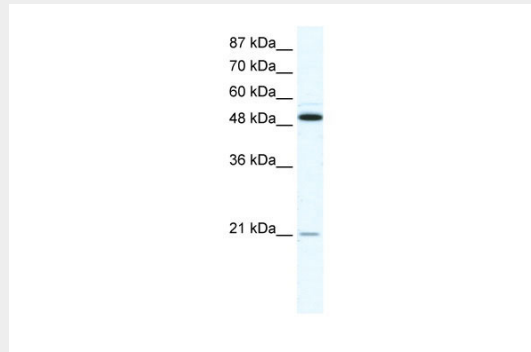
Highly expressed in adult lung, heart, kidney, liver, spleen, thymus, prostate, ovary, small intestine, thyroid, lymph node, trachea, adrenal gland, testis, and bone marrow. Detected at very low levels in brain, placenta and skeletal muscle. Highly expressed in fetal kidney, liver and lung

TNFRSF11B antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TNFRSF11B antibody - N-terminal region - Images



WB Suggested Anti-TNFRSF11B Antibody Titration: 1.25µg/ml

ELISA Titer: 1:312500

Positive Control: HepG2 cell lysate

TNFRSF11B antibody - N-terminal region - Background

Acts as decoy receptor for TNFSF11/RANKL and thereby neutralizes its function in osteoclastogenesis. Inhibits the activation of osteoclasts and promotes osteoclast apoptosis in vitro. Bone homeostasis seems to depend on the local ratio between TNFSF11 and TNFRSF11B. May also play a role in preventing arterial calcification. May act as decoy receptor for TNFSF10/TRAIL and protect against apoptosis. TNFSF10/TRAIL binding blocks the inhibition of osteoclastogenesis.

TNFRSF11B antibody - N-terminal region - References

Simonet W.S., et al. Cell 89:309-319(1997).

Yasuda H., et al. Endocrinology 139:1329-1337(1998).

Morinaga T.,et al.Eur. J. Biochem. 254:685-691(1998).

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Suzuki Y.,et al.Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.