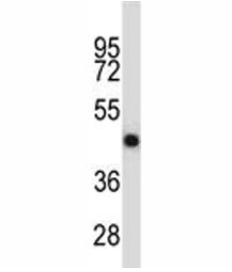
OPG Antibody / TNFRSF11B (F43211)

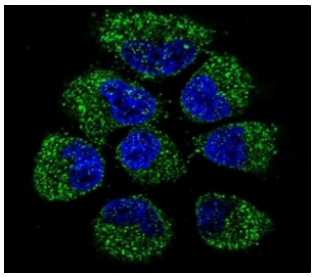
Catalog No.	Formulation	Size
F43211-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F43211-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

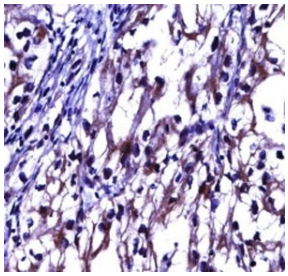
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	O00300
Applications	Western blot: 1:1000 Immunofluorescence: 1:10-1:50 IHC (Paraffin): 1:10-1:50
Limitations	This OPG antibody is available for research use only.



OPG antibody western blot analysis in NCI-H460 lysate.



Confocal immunofluorescent analysis of OPG antibody with NCI-H460 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used as a nuclear counterstain (blue).



OPG antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney carcinoma.

Description

The protein encoded by this gene is a member of the TNF-receptor superfamily. This protein is an osteoblast-secreted decoy receptor that functions as a negative regulator of bone resorption. This protein specifically binds to its ligand, osteoprotegerin ligand, both of which are key extracellular regulators of osteoclast development. Studies of the mouse counterpart also suggest that this protein and its ligand play a role in lymph-node organogenesis and vascular calcification. Alternatively spliced transcript variants of this gene have been reported, but their full length nature has not been determined.

Application Notes

Titration of the OPG antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 243-271 from the human protein was used as the immunogen for this OPG antibody.

Storage

Aliquot the OPG antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Copyright © NSJ Bioreagents. All rights reserved.