

Product Datasheet

Osteoprotegerin/TNFRSF11B Antibody (98A1071) - Azide Free NBP2-33211

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-33211

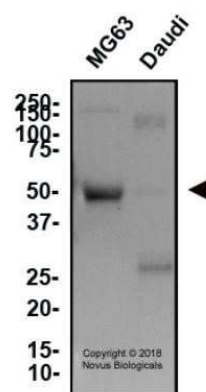
Osteoprotegerin/TNFRSF11B Antibody (98A1071) - Azide Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	98A1071
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS - BSA free
Product Description	
Host	Mouse
Gene ID	4982
Gene Symbol	TNFRSF11B
Species	Human, Mouse, Rat, Rabbit
Reactivity Notes	Rat reactivity reported in scientific literature (PMID: 11028444)
Specificity/Sensitivity	The Osteoprotegerin antibody, clone 98A1071, detects all forms of Osteoprotegerin including monomeric, dimeric and Osteoprotegerin bound to RANKL (Vandooren, 2008) as well as Osteoprotegerin bound to TRAIL (Sandra, 2006).
Immunogen	A peptide corresponding to the amino acids 20-37 TQETFPPKYLHYDEETSH of human Osteoprotegerin was used as immunogen for this antibody.
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation, CyTOF-ready
Recommended Dilutions	Western Blot 1 ug/ml, Flow Cytometry 0.2-1 ug/1 million cells, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500. Use reported in scientific literature (Sandra (2006)), Immunoprecipitation 1:10-1:500. Use reported in scientific literature (Sandra (2006)), Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen reported in scientific literature (Boumans (2012)), CyTOF-ready



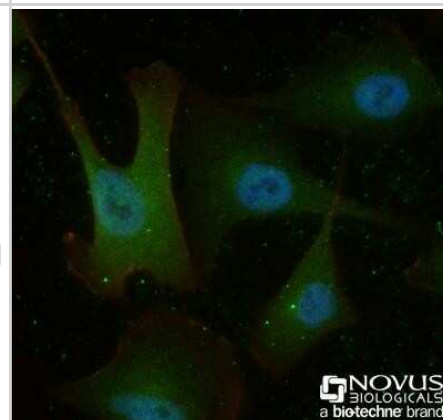
Images

Western Blot: Osteoprotegerin/TNFRSF11B Antibody (98A1071) - Azide Free [NBP2-33211] - Total protein from human MG63 and Daudi cell lines was separated on a 7.5% gel by SDS-PAGE, transferred to PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 1.0 ug/ml anti-Osteoprotegerin in blocking buffer and detected with an anti-mouse HRP secondary antibody using chemiluminescence. Image from the standard format of this antibody.

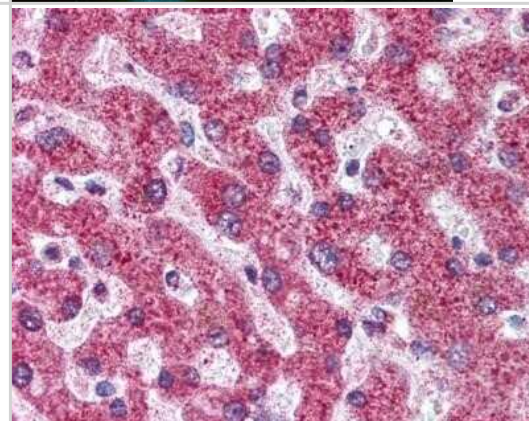


Immunocytochemistry/Immunofluorescence:

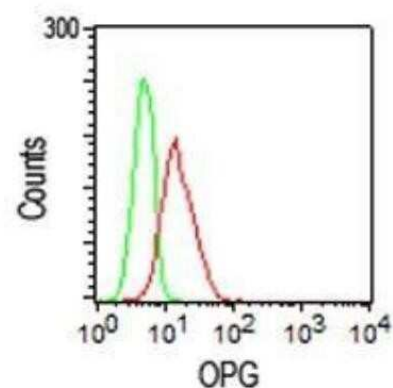
Osteoprotegerin/TNFRSF11B Antibody (98A1071) - Azide Free [NBP2-33211] - MG-63 cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X PBS + 0.05% Triton X-100. The cells were incubated with anti-Osteoprotegerin (98A1071) at 5 ug/ml overnight at 4C and detected with an anti-mouse DyLight 488 (Green) at a 1:500 dilution. Actin was detected with Phalloidin 568 (Red) at a 1:200 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective. Image from the standard format of this antibody.



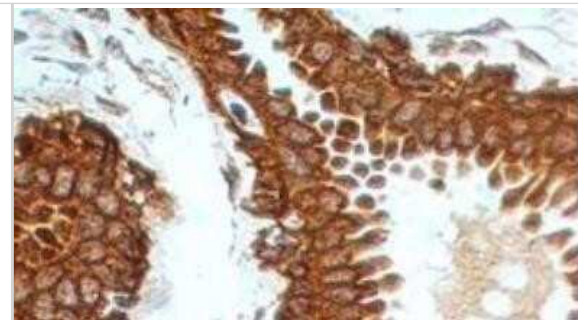
Immunohistochemistry: Osteoprotegerin/TNFRSF11B Antibody (98A1071) - Azide Free [NBP2-33211] - Staining of human liver. Tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml. Image from the standard format of this antibody.



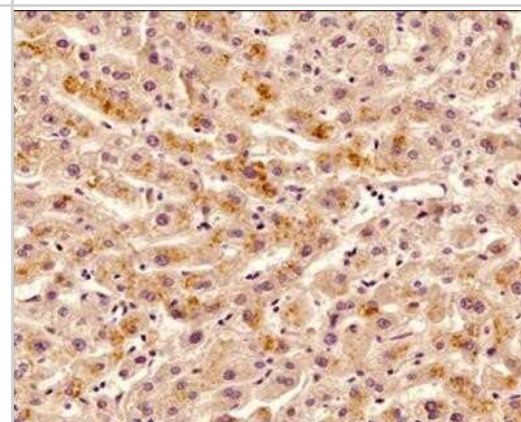
Flow Cytometry: Osteoprotegerin/TNFRSF11B Antibody (98A1071) - Azide Free [NBP2-33211] - Intracellular staining of 10^6 HeLa cells using 0.2 ug of OPG antibody, 0.5 ul of PE secondary. Image from the standard format of this antibody.



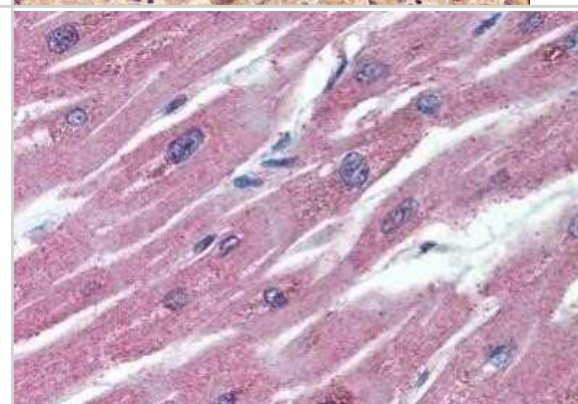
Immunohistochemistry: Osteoprotegerin/TNFRSF11B Antibody (98A1071) - Azide Free [NBP2-33211] - Human breast tissue stained with OPG antibody (5 ug/ml), peroxidase-conjugate and DAB chromogen. Image from the standard format of this antibody.



Immunohistochemistry: Osteoprotegerin/TNFRSF11B Antibody (98A1071) - Azide Free [NBP2-33211] - Human liver using 1:200 dilution of anti-Osteoprotegerin/TNFRSF11B antibody (clone 98A1071). The staining was developed with HRP labeled secondary antibody and DAB reagent, and nuclei of cells were counter-stained with hematoxylin. This Osteoprotegerin an



Immunohistochemistry: Osteoprotegerin/TNFRSF11B Antibody (98A1071) - Azide Free [NBP2-33211] - Staining of human heart tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml. Image from the standard format of this antibody.





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Products Related to NBP2-33211

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-35108-10ug	Recombinant Human Osteoprotegerin/TNFRSF11B Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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