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OGN Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11671b

Product Information

Application	IHC-P, FC, WB, E
Primary Accession	P20774
Other Accession	P19879, NP_148935.1, NP_054776.1
Reactivity	Human, Mouse
Predicted	Bovine, Rat, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB14506
Calculated MW	33922
Antigen Region	246-276

Additional Information

Gene ID	4969
Other Names	Mimecan, Osteoglycin, Osteoinductive factor, OIF, OGN, OIF, SLRR3A
Target/Specificity	This OGN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 246-276 amino acids from the C-terminal region of human OGN.
Dilution	IHC-P~~1:100~500 FC~~1:10~50 WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	OGN Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	OGN
Synonyms	OIF, SLRR3A

Function	Induces bone formation in conjunction with TGF-beta-1 or TGF- beta-2.
Cellular Location	Secreted, extracellular space, extracellular matrix {ECO:0000250|UniProtKB:Q8MJF1}
Tissue Location	Bone.

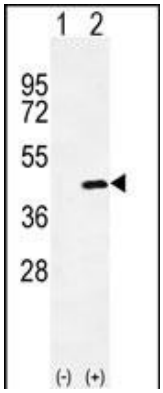
Background

This gene encodes a protein which induces ectopic bone formation in conjunction with transforming growth factor beta. This protein is a small proteoglycan which contains tandem leucine-rich repeats (LRR). Alternatively spliced transcript variants that encode the same protein have been found for this gene. [provided by RefSeq].

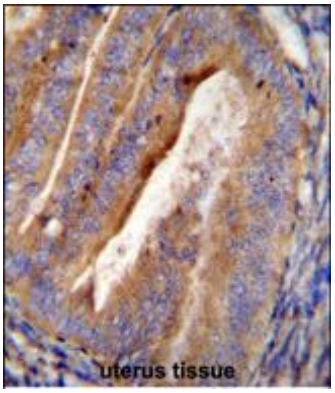
References

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Dimasi, D.P., et al. Mol. Vis. 16, 562-569 (2010) :
Yerges, L.M., et al. J. Bone Miner. Res. 24(12):2039-2049(2009)
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)

Images

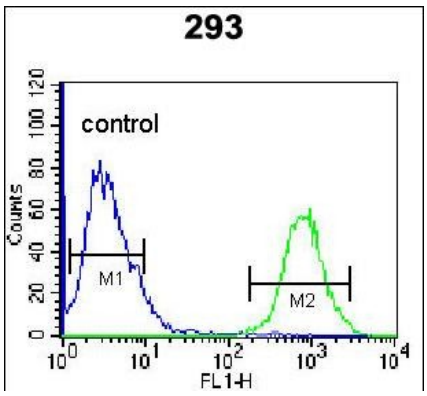


Western blot analysis of OGN (arrow) using rabbit polyclonal OGN Antibody (C-term) (Cat. #AP11671b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the OGN gene.



OGN Antibody (C-term) (Cat. #AP11671b)immunohistochemistry analysis in formalin fixed and paraffin embedded human uterus tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of OGN Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

OGN Antibody (C-term) (Cat. #AP11671b) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.