

Rabbit OGN Polyclonal Antibody | anti-OGN antibody

OGN Antibody (C-term)

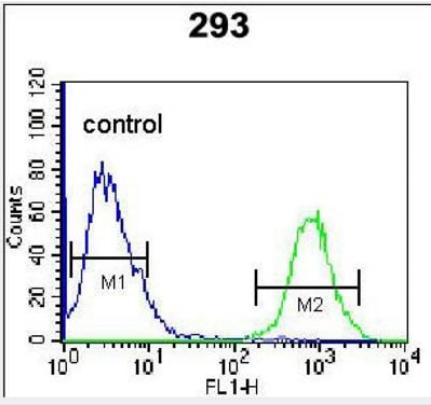
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284340	Rabbit	Human (Predicted Reactivity: Bovine)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

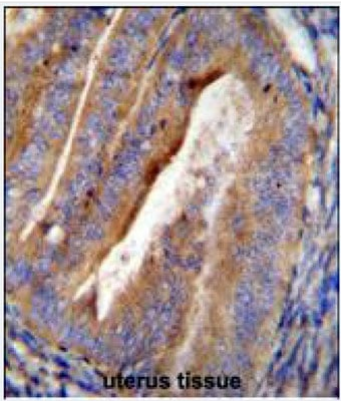
OGN; Polyclonal Antibody; OGN Antibody (C-term); Mimecan; Osteoglycin; Osteoinductive factor; OIF; SLRR3A; anti-OGN antibody

PRODUCT SPECIFICATIONS

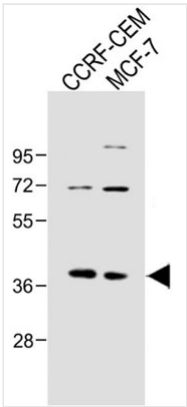
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This OGN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 246-276 amino acids from the C-terminal region of human OGN.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	246-276
Applicable Applications for anti-OGN antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Function	Induces bone formation in conjunction with TGF-beta-1 or TGF- beta-2.
Cellular Location	Secreted, extracellular space, extracellular matrix.
Tissue Location	Bone.
Antigen Source	HUMAN
Tissue Location	Bone
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
OGN Antibody (C-term) 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.



IHC (Immunohiostchemistry)
OGN Antibody (C-term) 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.



WB (Western Blot)
All lanes : Anti-OGN Antibody (N-term K75) at 1:500 dilution
Lane 1: CCRF-CEM whole cell lysate
Lane 2: MCF-7 whole cell lysate
Lysates/proteins at 20 ug per lane.
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.
Predicted band size : 34 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-OGN antibody	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].
Product Categories/Family for anti-OGN antibody	Cell Biology; Signal transduction
References	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : 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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	7661704
NCBI GeneID	4969
NCBI Accession #	NP_054776.1; NP_148935.1

NCBI GenBank Nucleotide #	NM_014057.3
UniProt Accession #	P20774 ; Q6FIB0 ; Q9UF90 ; Q9UNK5
NCBI Official Full Name	mimecan preproprotein
NCBI Official Synonym Full Names	osteoglycin
NCBI Official Symbol	OGN
NCBI Official Synonym Symbols	OG; OIF; SLRR3A
NCBI Protein Information	mimecan
UniProt Protein Name	Mimecan
UniProt Gene Name	OGN
UniProt Synonym Gene Names	OIF; SLRR3A; OIF
UniProt Entry Name	MIME_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/ogn-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/284340>