

**OGN Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP11671b****Specification**

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**OGN Antibody (C-term) - Product Information**

Application	IHC-P, FC, WB,E
Primary Accession	<a href="#">P20774</a>
Other Accession	<a href="#">P19879</a> , <a href="#">NP_148935.1</a> , <a href="#">NP_054776.1</a>
Reactivity	Human
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	246-276

**OGN Antibody (C-term) - 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~~1:50~100

FC~~1:10~50

WB~~1:500

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.

**OGN Antibody (C-term) - 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**

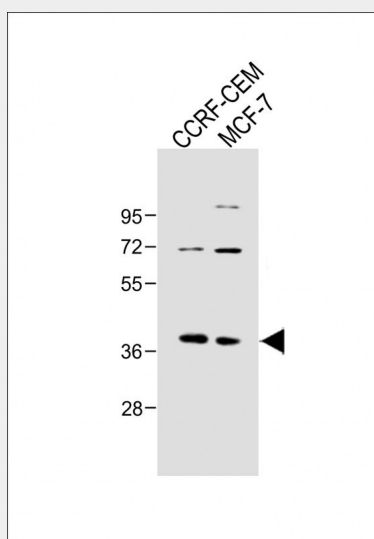
Bone.

**OGN Antibody (C-term) - Protocols**

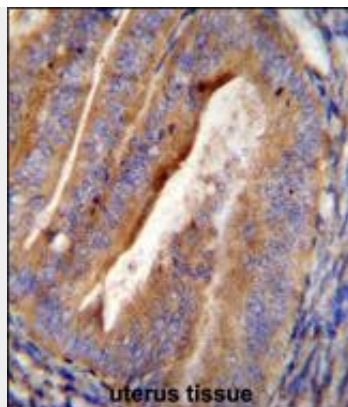
Provided below are standard protocols that you may find useful for product applications.

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

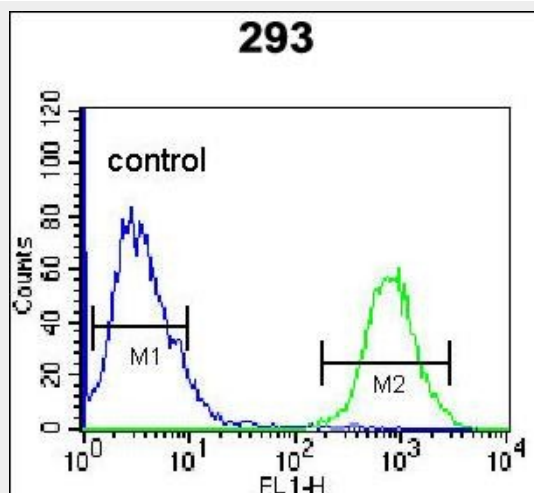
**OGN Antibody (C-term) - Images**



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 µg 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.



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.

### OGN Antibody (C-term) - 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].

### OGN Antibody (C-term) - 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)