

**periostin Antibody (C-Term)**  
Peptide-affinity purified goat antibody  
Catalog # AF3882a

## Specification

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### periostin Antibody (C-Term) - Product Information

Application	WB
Primary Accession	<a href="#">Q15063</a>
Other Accession	<a href="#">NP_006466.2</a> , <a href="#">NP_001129406.1</a> , <a href="#">NP_001129407.1</a> , <a href="#">NP_001129408.1</a> , <a href="#">10631</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	93314

### periostin Antibody (C-Term) - Additional Information

**Gene ID** 10631

#### Other Names

Periostin, PN, Osteoblast-specific factor 2, OSF-2, POSTN, OSF2

#### Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Precautions

periostin Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

### periostin Antibody (C-Term) - Protein Information

**Name** POSTN

**Synonyms** OSF2

#### Function

Induces cell attachment and spreading and plays a role in cell adhesion (PubMed:<a href="http://www.uniprot.org/citations/12235007" target="\_blank">12235007</a>). Enhances incorporation of BMP1 in the fibronectin matrix of connective tissues, and subsequent proteolytic activation of lysyl oxidase LOX (By similarity).

### Cellular Location

Golgi apparatus {ECO:0000250|UniProtKB:Q62009}. Secreted Secreted, extracellular space, extracellular matrix Note=Colocalizes with BMP1 in the Golgi {ECO:0000250|UniProtKB:Q62009}

### Tissue Location

Widely expressed with highest levels in aorta, stomach, lower gastrointestinal tract, placenta, uterus, thyroid tissue and breast. Expressed in the kidney (PubMed:21763681). Expressed in the lung (PubMed:22079858). Up-regulated in epithelial ovarian tumors. Not expressed in normal ovaries. Also highly expressed at the tumor periphery of lung carcinoma tissue but not within the tumor Overexpressed in breast cancers.

### periostin 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](#)

### periostin Antibody (C-Term) - Images



AF3882a (2 µg/ml) staining of MCF7 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### periostin Antibody (C-Term) - Background

This antibody is expected to recognize all reported isoforms (NP\_006466.2; NP\_001129406.1; NP\_001129407.1; NP\_001129408.1).

### periostin Antibody (C-Term) - References

Periostin is induced in glomerular injury and expressed de novo in interstitial renal fibrosis. Sen K,

Lindenmeyer MT, Gaspert A, Eichinger F, Neusser MA, Kretzler M, Segerer S, Cohen CD. Am J Pathol. 2011 Oct;179(4):1756-67. PMID: 21854746