

For Research Use Only

# Periostin Polyclonal antibody

Catalog Number: 19899-1-AP

Featured Product

35 Publications



## Basic Information

### Catalog Number:

19899-1-AP

### Size:

150ul, Concentration: 255 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG13791

### GenBank Accession Number:

BC106710

### GeneID (NCBI):

10631

### UNIPROT ID:

Q15063

### Full Name:

periostin, osteoblast specific factor

### Calculated MW:

93 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

IHC 1:50-1:500

## Applications

### Tested Applications:

IHC, ELISA

### Cited Applications:

IHC, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat, zebrafish

### Positive Controls:

IHC : human colon tissue, human breast cancer tissue, human skin cancer tissue

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

Periostin (POSTN, PN), originally named as osteoblast-specific factor 2 (OSF-2), is a 90-kDa secreted protein which is now classified as a matricellular protein. It is present in a wide variety of normal adult tissues and fetal tissues, and has a role in bone, tooth and heart development and function. Studies show that periostin is overexpressed in a broad range of human cancer types, including lung, ovary, breast and colon cancers. Recent evidence reveals that periostin is expressed by fibroblasts in the normal tissue and in the stroma of the primary tumour, and it is required to allow cancer stem cell maintenance. The isoforms of periostin are between 83 and 93 kDa in mass and differ in their C-terminal sequences, characterized by individual presence or absence of cassette exons 17-21 (UniProtKB/Swiss-Prot, PMID: 21997759).

## Notable Publications

Author	Pubmed ID	Journal	Application
Han Li	32964617	J Biomed Mater Res A	IHC
Xuanwen Xu	36197319	ACS Appl Mater Interfaces	IF
Emna Ouni	35341935	Matrix Biol	IF

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

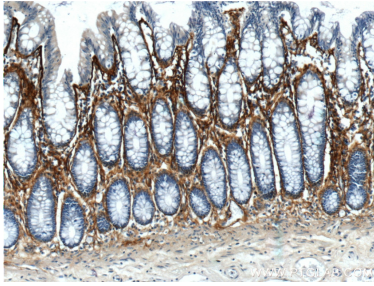
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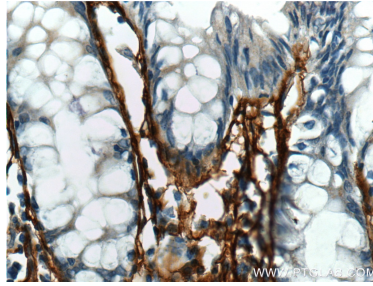
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 19899-1-AP (Periostin antibody at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 19899-1-AP (Periostin antibody at dilution of 1:200 (under 40x lens).