

For Research Use Only

Periostin Polyclonal antibody

Catalog Number: 19899-1-AP

Featured Product

24 Publications



Basic Information

Catalog Number: 19899-1-AP	GenBank Accession Number: BC106710	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 255 µg/ml by Nanodrop;	GeneID (NCBI): 10631	Recommended Dilutions: IHC 1:50-1:500
Source: Rabbit	Full Name: periostin, osteoblast specific factor	
Isotype: IgG	Calculated MW: 93 kDa	
Immunogen Catalog Number: AG13791		

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : human colon tissue, human breast cancer tissue, human skin cancer tissue
Cited Applications: IF, IHC, WB	
Species Specificity: human, mouse, rat	
Cited Species: human, rat, mouse	

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
Nurmila Sari	34563985	Phytomedicine	WB
Binbin Yu	30348980	Cell Death Dis	IF

Storage

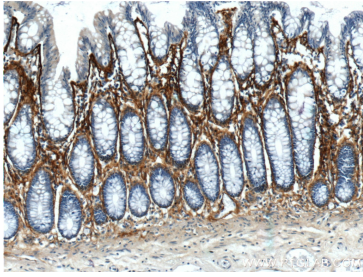
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

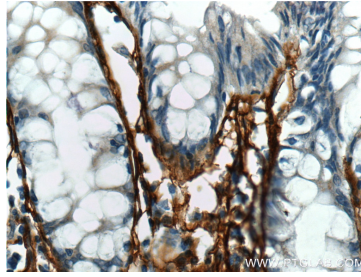
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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).