

À des fins de recherche uniquement

Anticorps Monoclonal anti-Periostin



Numéro de catalogue: 66491-1-Ig

Phare

10 Publications

Informations de base

Numéro de catalogue: 66491-1-Ig	Numéro d'acquisition GenBank: BC106710	Méthode de purification: Purification par protéine G
Taille: 150ul, Concentration: 1900 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 10631	CloneNo.: 1A11A3
Hôte: Mouse	Nom complet: periostin, osteoblast specific factor	Dilutions recommandées: WB 1:2500-1:10000 IHC 1:4000-1:16000 IF 1:4000-1:16000
Isotype: IgG1	MW calculé: 93 kDa	
Immunogen Catalog Number: AG14487	MW observés: 85-90 kDa	

Applications

Applications testées:

IF, IHC, WB, ELISA

Demandes citées:

IF, IHC, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) A défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules BxPC-3, cellules Neuro-2a, cellules ROS1728, cellules SGC-7901, tissu placentaire humain

IHC : tissu de cancer du sein humain, tissu de cancer du côlon humain

IF : tissu de cancer du sein humain,

Informations générales

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).

Publications notables

Autrice	Pubmed ID	Journal	Application
Lindsay B Alcaraz	36346290	Int J Cancer	IF
Jinna Wu	35619555	Mol Ther	WB,IHC
Jinsheng Li	35907353	Colloids Surf B Biointerfaces	IF

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

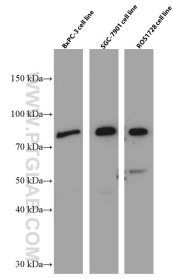
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

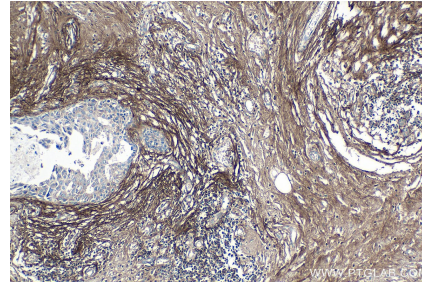
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

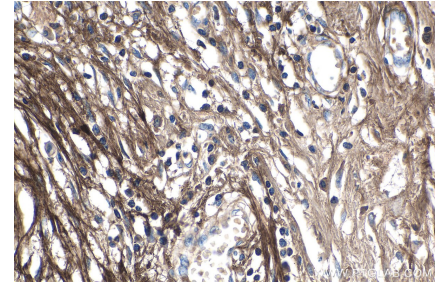
Données de validation sélectionnées



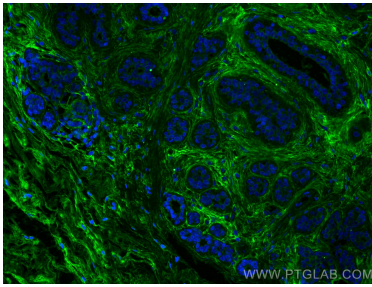
BxPC-3, SGC-7901 and ROS1728 cells were subjected to SDS PAGE followed by western blot with 66491-1-Ig (Periostin antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



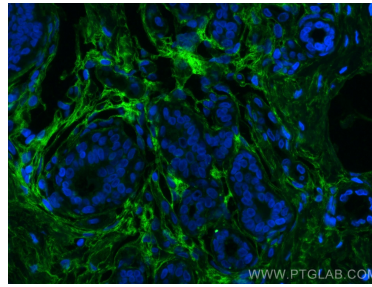
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66491-1-Ig (Periostin antibody) at dilution of 1:8000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66491-1-Ig (Periostin antibody) at dilution of 1:8000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using Periostin antibody (66491-1-Ig, Clone: 1A11A3) at dilution of 1:8000 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using Periostin antibody (66491-1-Ig, Clone: 1A11A3) at dilution of 1:8000 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).