

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-Osteocalcin



Numéro de catalogue: 23418-1-AP

139 Publications

## Informations de base

Numéro de catalogue: 23418-1-AP	Numéro d'acquisition GenBank: BC113432	Méthode de purification: Purification par affinité contre l'antigène
Taille: 150ul , Concentration: 500 µg/ml by Nanodrop;	Identification du gène (NCBI): 632	Dilutions recommandées: IHC 1:50-1:500 IF 1:200-1:800
Hôte: Lapin	Nom complet: bone gamma-carboxyglutamate (gla) protein	
Isotype: IgG	MW calculé 100 aa, 11 kDa	
Immunogen Catalog Number: AG20065		

## Applications

Applications testées: IF, IHC, ELISA	Contrôles positifs:
Demandes citées: IF, IHC	IHC : tissu testiculaire de souris, tissu d'ostéosarcome humain, tissu rénal de souris, tissu testiculaire de rat, tissu testiculaire humain
Spécificité de l'espèce: Humain, rat, souris	IF : cellules NIH/3T3, cellules U2OS
Espèces citées: canin, Humain, porc, rat, souris	
<b>Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) À défaut, 'le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.</b>	

## Informations générales

Osteocalcin is a small, highly conserved molecule associated with mineralization of bone matrix. Osteocalcin is specifically expressed in osteoblasts and is the most abundant non-collagenous protein in bone. It regulates the dynamics of new bone formation and bone resorption by interaction with vitamin D, and by influencing the differentiation of osteoblasts. Osteocalcin is also involved in the posttranslational targeting of vitamin K-dependent gamma-carboxylation, which controls blood coagulation.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Zhijing Song	36246605	Front Genet	WB
Rupesh Kandel	34579527	ACS Appl Mater Interfaces	WB,IF
Guangchun Dai	33102476	Front Cell Dev Biol	IHC

## Stockage

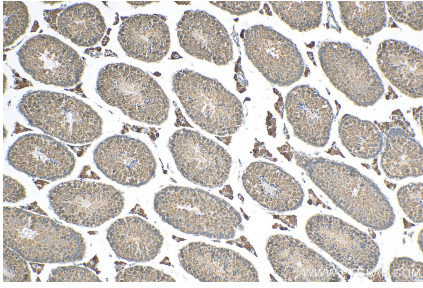
Stockage:  
Stocker à -20°C. Stable pendant un an après l'expédition.  
Tampon de stockage:  
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3  
L'aliqotage n'est pas nécessaire pour le stockage à -20C

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

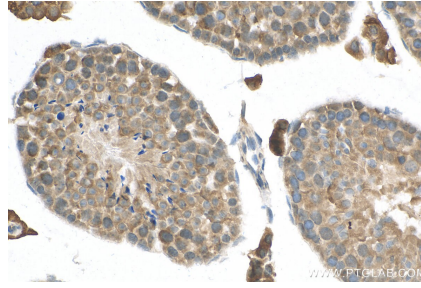
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

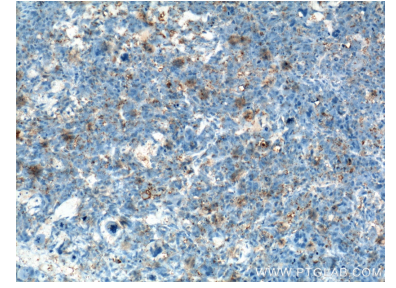
## Données de validation sélectionnées



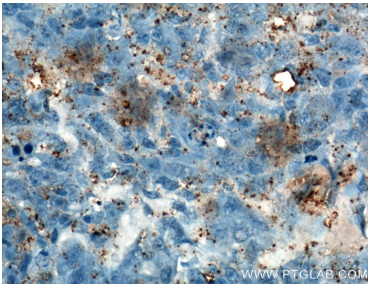
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 23418-1-AP (Osteocalcin antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



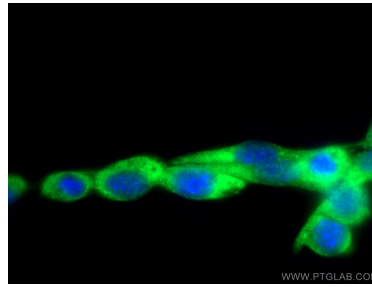
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 23418-1-AP (Osteocalcin antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



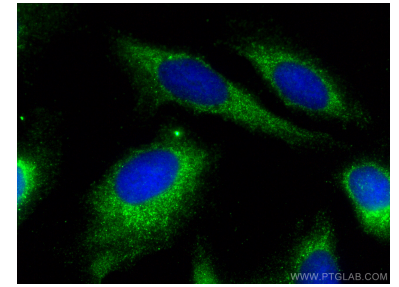
Immunohistochemical analysis of paraffin-embedded human osteosarcoma tissue slide using 23418-1-AP (Osteocalcin Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human osteosarcoma tissue slide using 23418-1-AP (Osteocalcin Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed NIH/3T3 cells using Osteocalcin antibody (23418-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (-20°C Methanol) fixed U2OS cells using Osteocalcin antibody (23418-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).