

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-Osteopontin



Numéro de catalogue: 22952-1-AP

Phare

211 Publications

## Informations de base

<b>Numéro de catalogue:</b> 22952-1-AP	<b>Numéro d'acquisition GenBank:</b> BC007016	<b>Méthode de purification:</b> Purification par affinité contre l'antigène
<b>Taille:</b> 150ul , Concentration: 1000 µg/ml by Nanodrop;	<b>Identification du gène (NCBI):</b> 6696	<b>Dilutions recommandées:</b> WB 1:1000-1:4000 IF 1:20-1:200
<b>Hôte:</b> Lapin	<b>Nom complet:</b> secreted phosphoprotein 1	
<b>Isotype:</b> IgG	<b>MW calculé:</b> 314 aa, 35 kDa	
<b>Immunogen Catalog Number:</b> AG19216	<b>MW observés:</b> 70 kDa, 44-66 kDa	

## Applications

### Applications testées:

FC, IF, WB, ELISA

### Demandes citées:

CoIP, ELISA, IF, IHC, WB

### Spécificité de l'espèce:

Humain, rat, souris

### Espèces citées:

bovin, Humain, Lapin, rat, souris

### Contrôles positifs:

WB : cellules HEK-293, cellule C2C12, cellules HepG2, cellules Jurkat, tissu rénal de souris

IF : cellules HepG2,

## Informations générales

Osteopontin (OPN), also known as SPP1, is a secreted glycoprophosphoprotein that belongs to the small integrin-binding ligand N-linked glycoprotein (SIBLING) family. Originally isolated from bone, OPN has been found in kidneys, vascular tissues, biological fluids, and various tumor tissues (PMID: 15138464; 16406521). OPN can interact with CD44 and integrins and regulate diverse biological processes. It has a multifaceted role in bone development and remodeling, and is also involved in the inflammatory and immune response, oncogenesis and cancer progression. The very acidic nature of OPN, as well as the presence of variable posttranslational modifications, has led to anomalous migration in SDS-polyacrylamide gels and therefore to reports of different molecular weights for OPN (PMID: 8293561). Depending on the cell and tissue source and/or the SDS-PAGE system, OPN migrates with a molecular weight of 44-80 kDa, as well as at some smaller bands corresponding to peptide fragments (PMID: 8195113; 17890765).

## Publications notables

Autrice	Pubmed ID	Journal	Application
Rupesh Kandel	34579527	ACS Appl Mater Interfaces	WB,IF
Yuan-Wei Zhang	36196151	J Orthop Translat	IHC
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'aliquotage n'est pas nécessaire pour le stockage à -20C

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

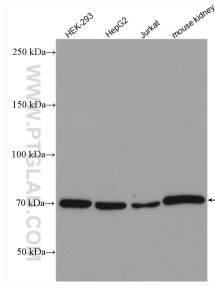
For technical support and original validation data for this product please contact:

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

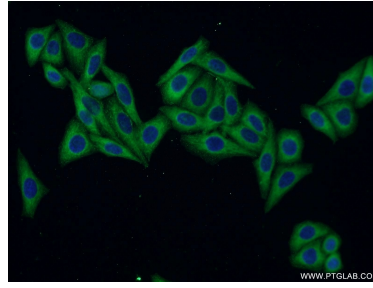
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

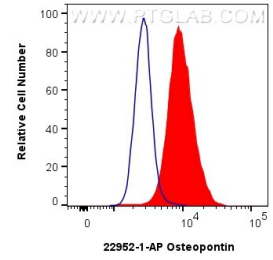
## Données de validation sélectionnées



Various lysates were subjected to SDS PAGE followed by western blot with 22952-1-AP (Osteopontin antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HepG2 cells using 22952-1-AP (Osteopontin antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



$1 \times 10^6$  HepG2 cells were intracellularly stained with 0.5 ug Anti-Human Osteopontin (22952-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.5 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).