

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-Osteopontin



Numéro de catalogue: 25715-1-AP

24 Publications

Informations de base

Numéro de catalogue: 25715-1-AP	Numéro d'acquisition GenBank: BC007016	Méthode de purification: Purification par affinité contre l'antigène
Taille: 150ul , Concentration: 400 µg/ml by Nanodrop;	Identification du gène (NCBI): 6696	Dilutions recommandées: WB 1:500-1:1000 IHC 1:50-1:500
Hôte: Lapin	Nom complet: secreted phosphoprotein 1	
Isotype: IgG	MW calculé: 314 aa, 35 kDa	
Immunogen Catalog Number: AG22588	MW observés: 66 kDa	

Applications

Applications testées:

IHC, WB, ELISA

Demandes citées:

IF, IHC, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain, rat, souris

Contrôles positifs:

WB : tissu rénal de souris, cellules C2C12, HEK-293, tissu rénal de rat

IHC : tissu de cancer de l'estomac humain, tissu d'intestin grêle humain, tissu rénal humain

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.

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 kidney, 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 correspond to peptide fragments (PMID: 8195113; 17890765).

Publications notables

Autrice	Pubmed ID	Journal	Application
Christian Stern	31561491	Int J Mol Sci	WB
Lin Liu	36309970	Clin Exp Pharmacol Physiol	WB
Xiaopei Wu	33449642	ACS Biomater Sci Eng	WB, 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.

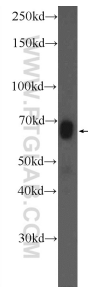
For technical support and original validation data for this product please contact:

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

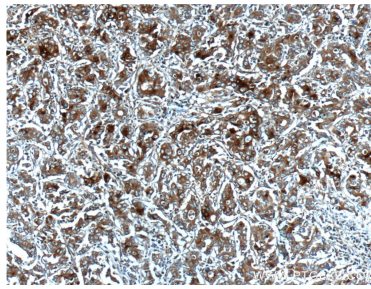
E: proteintech@ptglab.com
W: ptglab.com

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

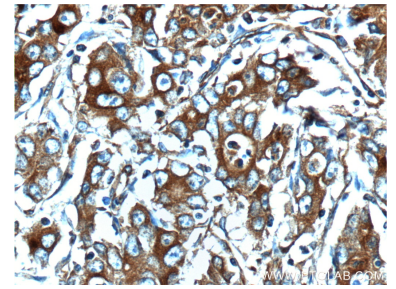
Données de validation sélectionnées



mouse kidney tissue were subjected to SDS PAGE followed by western blot with 25715-1-AP (Osteopontin antibody at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 25715-1-AP (Osteopontin antibody at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 25715-1-AP (Osteopontin antibody at dilution of 1:200 (under 40x lens).