

For Research Use Only

Osteocalcin/OCN Polyclonal antibody

Catalog Number: 16157-1-AP **7 Publications**



Basic Information

Catalog Number: 16157-1-AP	GenBank Accession Number: NM_199173	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 850 ug/ml by Nanodrop and 553 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 632	Recommended Dilutions: IHC 1:50-1:500 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: P02818	
Isotype: IgG	Full Name: bone gamma-carboxyglutamate (gla) protein	
	Calculated MW: 11 kDa	

Applications

Tested Applications: IHC, IF/ICC, FC (Intra), ELISA	Positive Controls: IHC : human osteosarcoma tissue, mouse lung tissue, rat lung tissue IF/ICC : NIH/3T3 cells,
Cited Applications: WB, IHC, IF	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse, rat	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Notable Publications

Author	Pubmed ID	Journal	Application
Xin Zhou	35586056	Front Pharmacol	IHC
Jie Xu	33690174	Aging (Albany NY)	IF
Ping Li	39549900	Bone	IHC

Storage

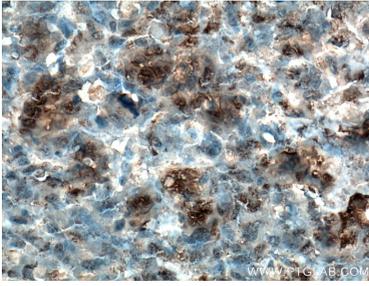
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

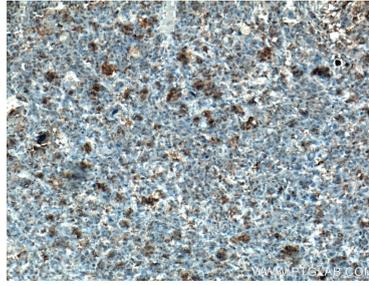
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

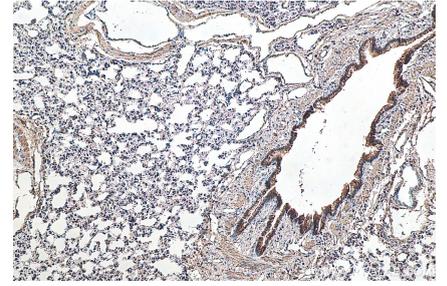
Selected Validation Data



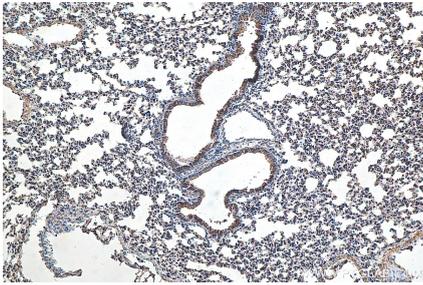
Immunohistochemical analysis of paraffin-embedded human osteosarcoma tissue slide using 16157-1-AP (Osteocalcin antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



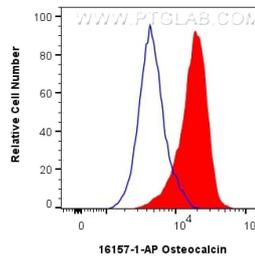
Immunohistochemical analysis of paraffin-embedded human osteosarcoma tissue slide using 16157-1-AP (Osteocalcin antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



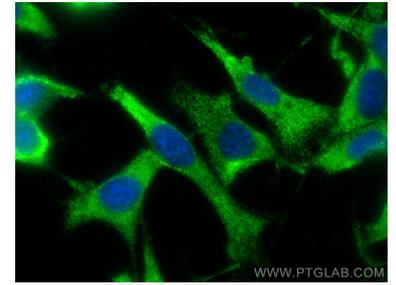
Immunohistochemical analysis of paraffin-embedded rat lung tissue slide using 16157-1-AP (Osteocalcin antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 16157-1-AP (Osteocalcin antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1×10^6 U2OS cells were intracellularly stained with 0.4 μ g Osteocalcin/OCN Polyclonal antibody (16157-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.4 μ g Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (-20°C Ethanol) fixed NIH/3T3 cells using Osteocalcin/OCN antibody (16157-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).