

For Research Use Only

Osteocalcin Polyclonal antibody

Catalog Number: 16157-1-AP **5 Publications**



Basic Information

Catalog Number: 16157-1-AP	GenBank Accession Number: NM_199173	Purification Method: Antigen affinity purification
Size: 850 µg/ml	GeneID (NCBI): 632	Recommended Dilutions: IHC 1:50-1:500 IF 1:50-1:500
Source: Rabbit	UNIPROT ID: P02818	
Isotype: IgG	Full Name: bone gamma-carboxyglutamate (gla) protein	
	Calculated MW: 11 kDa	

Applications

Tested Applications: IF/ICC, IHC, ELISA	Positive Controls:
Cited Applications: WB, IF, IHC	IHC: human osteosarcoma tissue, mouse lung tissue, rat lung tissue
Species Specificity: human, mouse, rat	IF: NIH/3T3 cells,
Cited Species: rat, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

Notable Publications

Author	Pubmed ID	Journal	Application
Xin Zhou	35586056	Front Pharmacol	IHC
Jie Xu	33690174	Aging (Albany NY)	IF
Jing Xie	38781961	Cell Rep Med	IF

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

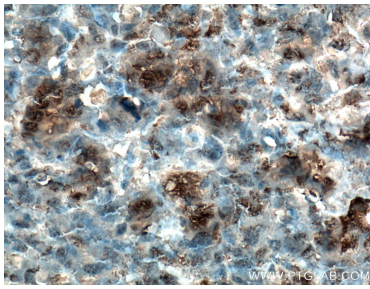
T: 4006900926

E: Proteintech-CN@ptglab.com

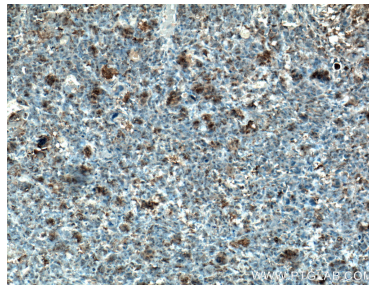
W: ptgcn.com

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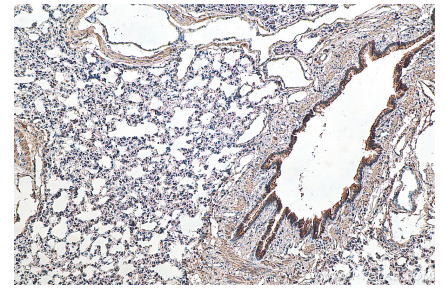
Selected Validation Data



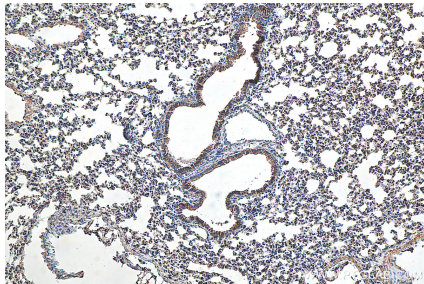
Immunohistochemical analysis of paraffin-embedded human osteosarcoma tissue slide using 16157-1-AP (Osteocalcin antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



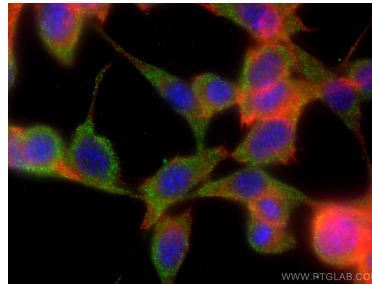
Immunohistochemical analysis of paraffin-embedded human osteosarcoma tissue slide using 16157-1-AP (Osteocalcin antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



Immunofluorescent analysis of (-20°C Ethanol) fixed NIH/3T3 cells using Osteocalcin antibody (16157-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).