

For Research Use Only

Osteocalcin Polyclonal antibody

Catalog Number: 20277-1-AP **4 Publications**



Basic Information

Catalog Number: 20277-1-AP	GenBank Accession Number: NM_007541	Purification Method: Antigen affinity purification
Size: 400 µg/ml	GeneID (NCBI): 12096	Recommended Dilutions: IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P86546	
Isotype: IgG	Full Name: bone gamma carboxyglutamate protein 1	
	Calculated MW: 11 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : mouse skeletal muscle tissue, mouse lung tissue
Cited Applications: IF, IHC	
Species Specificity: mouse	
Cited Species: rat, mouse, rabbit	
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

Osteocalcin (Bglap1), also named as Bglap2, Bglap, BGP, OC, OG1 and mOC-A, belongs to the osteocalcin/matrix Gla protein family. Bglap1 constitutes 1-2% of the total bone protein. It binds strongly to apatite and calcium. The antibody is specific to mouse Bglap1.

Notable Publications

Author	Pubmed ID	Journal	Application
Karina Martinez Villegas	35846175	Microsyst Nanoeng	IF
Go Okumura	31882624	Sci Rep	IHC
Rui Zhang	37414112	Acta Biomater	IHC

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:

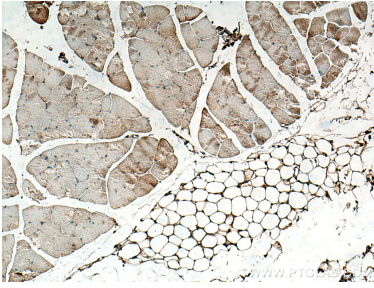
T: 4006900926

E: Proteintech-CN@ptglab.com

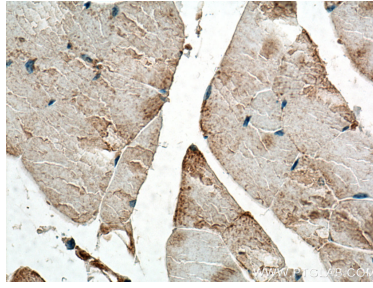
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 20277-1-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 skeletal muscle tissue slide using 20277-1-AP (Osteocalcin antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).