

For Research Use Only

# Osteocalcin Polyclonal antibody

Catalog Number: 20277-1-AP

11 Publications



## Basic Information

Catalog Number:

20277-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 293 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_007541

GeneID (NCBI):

12096

UNIPROT ID:

P86546

Full Name:

bone gamma carboxyglutamate protein 1

Calculated MW:

11 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:50-1:500

## Applications

Tested Applications:

IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

mouse

Cited Species:

human, mouse, rat, rabbit

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

Positive Controls:

IHC : mouse skeletal muscle tissue, mouse lung tissue

## 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
Yu-Zhe Lin	39903514	J Agric Food Chem	WB

## 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

\*\*\* 20ul sizes contain 0.1% BSA

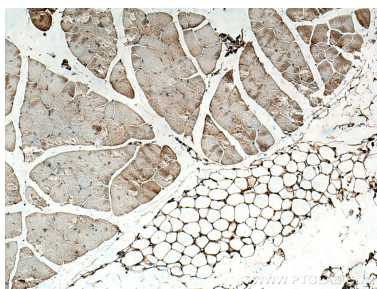
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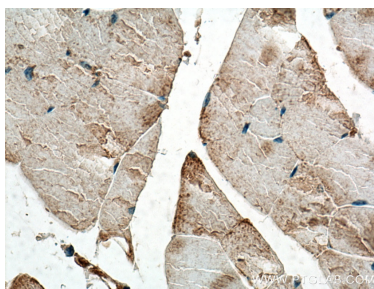
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## Selected Validation Data



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).