

For Research Use Only

Osteocalcin Polyclonal antibody



Catalog Number: 20277-1-AP

1 Publications

Basic Information

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| Catalog Number: 20277-1-AP | GenBank Accession Number: NM_007541 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 400 µg/ml by Nanodrop and 293 µg/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 12096 | Recommended Dilutions: IHC 1:50-1:500 |
| Source: Rabbit | Full Name: bone gamma carboxyglutamate protein 1 | |
| Isotype: IgG | Calculated MW: 11 kDa | |

Applications

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

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 |
|------------|-----------|---------|-------------|
| Go Okumura | 31882624 | Sci Rep | IHC |

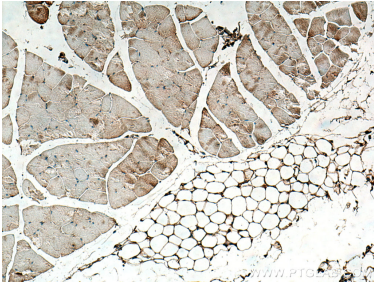
Storage

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

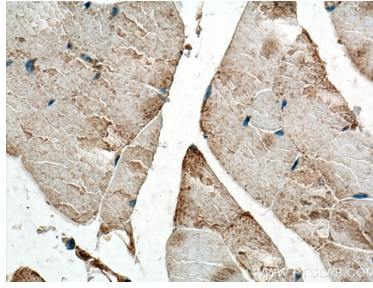
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



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).