For Research Use Only

Osteoglycin Monoclonal antibody

Catalog Number:66382-1-Ig

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
66382-1-Ig

Size:
1637 ug/ml

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG3484

GenBank Accession Number:
BC037273

GeneID (NCBI):
4969

UNIPROT ID:
P20774

Full Name:
osteoglycin

Calculated MW:
298 aa, 34 kDa

Observed MW:
30-40 kDa

Purification Method:
Protein G purification

CloneNo.:
2A5F11

Recommended Dilutions:
WB 1:1000-1:6000
IHC 1:50-1:500

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
human, pig

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:

WB : human artery tissue, pig artery tissue

IHC : human liver tissue, human lung tissue

Background Information

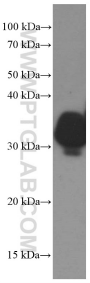
This gene encodes a member of the small leucine-rich proteoglycan (SLRP) family of proteins. The encoded protein induces ectopic bone formation in conjunction with transforming growth factor beta and may regulate osteoblast differentiation. High expression of the encoded protein may be associated with elevated heart left ventricular mass. Alternative splicing results in multiple transcript variants which forms proteins with different molecular weight.

Storage

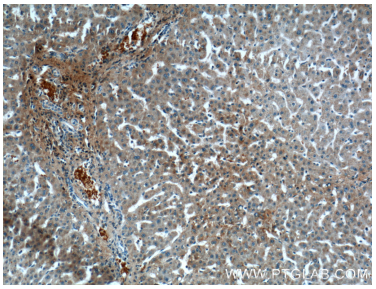
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

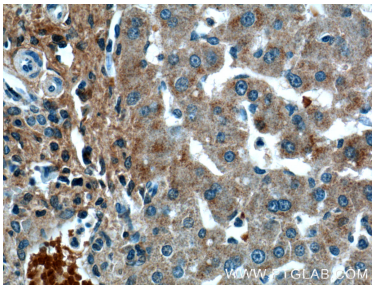
Selected Validation Data



Human artery tissue were subjected to SDS PAGE followed by western blot with 66382-1-Ig (Osteoglycin Antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66382-1-Ig (Osteoglycin Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66382-1-Ig (Osteoglycin Antibody) at dilution of 1:200 (under 40x lens).