

For Research Use Only

Osteoglycin Polyclonal antibody

Catalog Number: 12755-1-AP

5 Publications



Basic Information

Catalog Number:

12755-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

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:

34-40 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

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 : NIH/3T3 cells, HeLa cells, human liver tissue

IHC : human lung tissue,

IF/ICC : HepG2 cells,

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Zhiping Cao	35614104	Sci Rep	IHC
Shikun Zhang	33715180	FASEB J	IHC, IF
Tao Xu	31824171	Onco Targets Ther	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

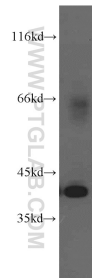
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

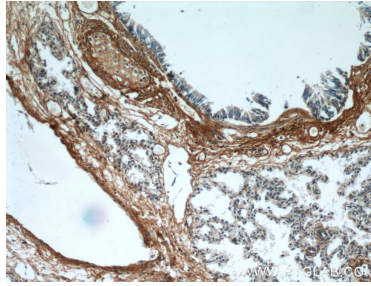
E: proteintech@ptglab.com
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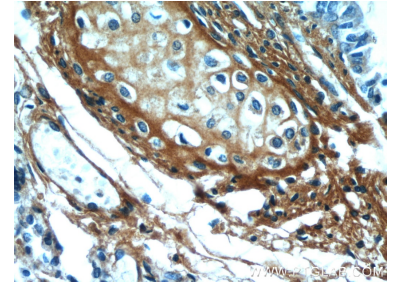
Selected Validation Data



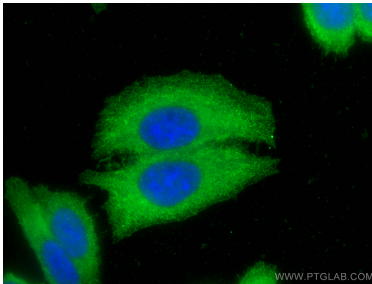
NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 12755-1-AP (Osteoglycin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung using 12755-1-AP (Osteoglycin antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human lung using 12755-1-AP (Osteoglycin antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using Osteoglycin antibody (12755-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).