

For Research Use Only

Osteoglycin Polyclonal antibody

Catalog Number: 12755-1-AP

5 Publications



Basic Information

Catalog Number: 12755-1-AP	GenBank Accession Number: BC037273	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4969	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200 IF 1:10-1:100
Source: Rabbit	Full Name: osteoglycin	
Isotype: IgG	Calculated MW: 298 aa, 34 kDa	
Immunogen Catalog Number: AG3484	Observed MW: 34-40 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls: WB : NIH/3T3 cells, HeLa cells, human liver tissue IHC : human lung tissue, IF : HepG2 cells,
Cited Applications: IF, IHC, WB	
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	

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

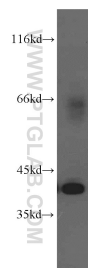
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

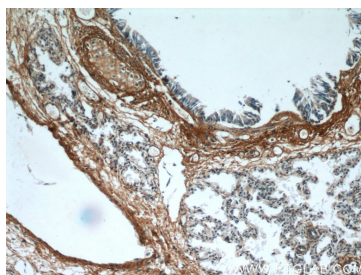
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

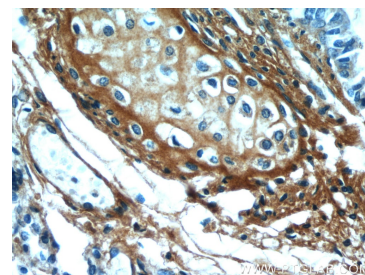
Selected Validation Data



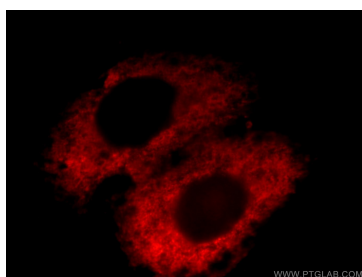
NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 12755-1-AP (Osteoglycin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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 HepG2 cells, using OGN antibody 12755-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).