

For Research Use Only

MEPE Polyclonal antibody

Catalog Number: 23256-1-AP



Basic Information

Catalog Number: 23256-1-AP	GenBank Accession Number: BC128158	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop and 540 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 56955	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
Source: Rabbit	Full Name: matrix extracellular phosphoglycoprotein	IHC 1:20-1:200 IF 1:20-1:200
Isotype: IgG	Calculated MW: 525 aa, 58 kDa	
Immunogen Catalog Number: AG19758	Observed MW: 98 kDa	

Applications

Tested Applications: IF, IHC, IP, WB, ELISA	Positive Controls: WB : HeLa cells, MCF-7 cells
Species Specificity: human	IP : HeLa cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human lung tissue,
	IF : HepG2 cells,

Background Information

Matrix extracellular phosphoglycoprotein (MEPE), also known as osteoblast/osteocyte factor 45 (OF45), is a member of the small integrin-binding ligand N-linked glycoprotein (SIBLING) family (PMID: 12952171). MEPE promotes renal phosphate excretion and modulates mineralization (PMID: 22582013). It can be phosphorylated by secreted protein kinases. (PMID: 14962809). MEPE is expressed in osteoblasts, osteocytes and odontoblasts, and the expression has also been reported in numerous human tumor cell lines (PMID: 14962809; 20145617). It is a 525-amino acid protein with a calculated molecular weight of 58 kDa. This antibody raised against a full-length human MEPE protein detects a major band of 98 kDa.

Storage

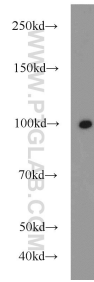
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

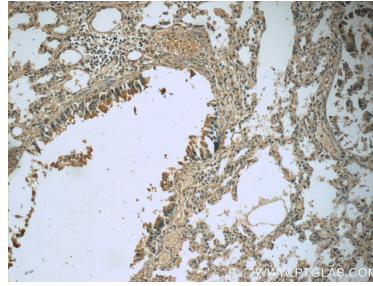
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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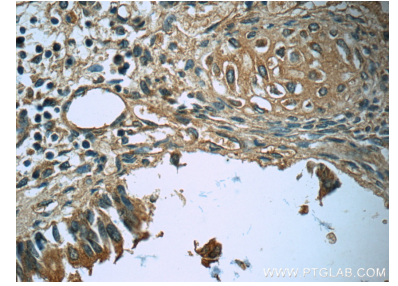
Selected Validation Data



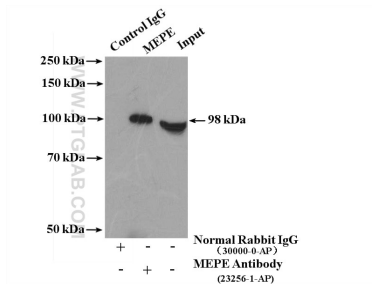
HeLa cells were subjected to SDS PAGE followed by western blot with 23256-1-AP (MEPE antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



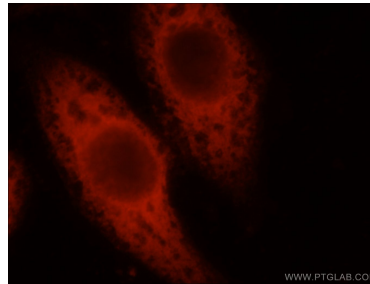
Immunohistochemical analysis of paraffin-embedded human lung slide using 23256-1-AP (MEPE Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human lung slide using 23256-1-AP (MEPE Antibody) at dilution of 1:50 (under 40x lens).



IP Result of anti-MEPE (IP:23256-1-AP, 4ug; Detection:23256-1-AP 1:1000) with HeLa cells lysate 4000ug.



Immunofluorescent analysis of HepG2 cells, using MEPE antibody 23256-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).