

For Research Use Only

Rat GPNMB Recombinant monoclonal antibody, PBS Only

Catalog Number:85632-5-PBS



Basic Information

Catalog Number: 85632-5-PBS	GenBank Accession Number: NM_133298.1	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 113955	CloneNo.: 242601D1
Source: Rabbit	UNIPROT ID: Q9QZF6	
Isotype: IgG	Full Name: glycoprotein (transmembrane) nmb	
Immunogen Catalog Number: EG3283	Calculated MW: 64 kDa	
	Observed MW: 120 kDa, 95 kDa	

Applications

Tested Applications:
WB, IP, Indirect ELISA

Species Specificity:
rat

Background Information

GPNMB also known as HGFIN, osteoactivin, and DC-HIL, is a type I membrane glycoprotein involved in various biological processes, including inflammation, invasion and metastasis of malignant tumors, cell differentiation, and tissue regeneration. GPNMB shows expression in the lowly metastatic human melanoma cell lines and xenografts but does not show expression in the highly metastatic cell lines. GPNMB acts as an osteogenic factor that stimulates osteoblast differentiation in vivo and in vitro.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

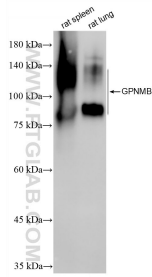
For technical support and original validation data for this product please contact:

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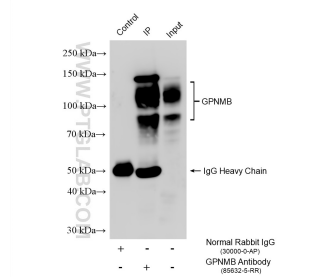
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85632-5-RR (Osteoactivin/GPNMB antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85632-5-PBS in a different storage buffer formulation.



IP result of anti-GPNMB (IP:85632-5-RR, 4ug; Detection:85632-5-RR 1:500) with rat spleen tissue lysate 2400 ug. This data was developed using the same antibody clone with 85632-5-PBS in a different storage buffer formulation.