

For Research Use Only

Mouse GPNMB Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 86874-1-PBS



Basic Information

Catalog Number: 86874-1-PBS	GenBank Accession Number: NM_053110.4	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 93695	CloneNo.: 250309C11
Isotype: IgG	UNIPROT ID: Q99P91	
Immunogen Catalog Number: EG2814	Full Name: glycoprotein (transmembrane) nmb	
	Calculated MW: 64 kDa	
	Observed MW: 90-100 kDa, 120kDa	

Applications

Tested Applications:
WB, IHC, IP, Sandwich ELISA, Indirect ELISA

Species Specificity:
mouse, 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.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

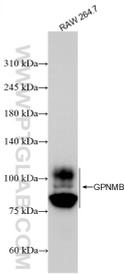
T: 4006900926

E: Proteintech-CN@ptglab.com

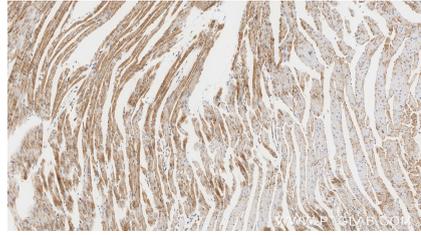
W: ptgcn.com

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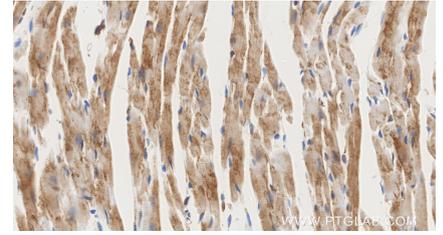
Selected Validation Data



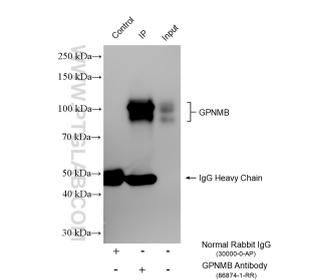
RAW 264.7 cells were subjected to SDS PAGE followed by western blot with 86874-1-RR (Gpmb antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86874-1-PBS in a different storage buffer formulation.



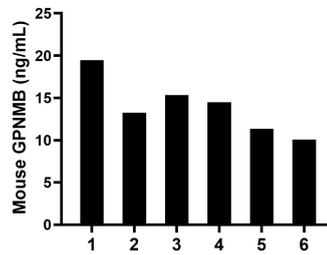
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 86874-1-RR (GPNMB antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 86874-1-PBS in a different storage buffer formulation.



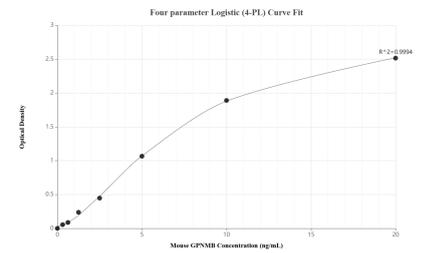
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 86874-1-RR (GPNMB antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 86874-1-PBS in a different storage buffer formulation.



IP result of anti-GPNMB (IP:86874-1-RR, 4ug; Detection:86874-1-RR 1:1500) with mouse skin tissue lysate 1120 ug. This data was developed using the same antibody clone with 86874-1-PBS in a different storage buffer formulation.



Serum of six mice was measured. The GPNMB concentration of detected samples was determined to be 14.00 ng/mL with a range of 10.09-19.47 ng/mL



Sandwich ELISA standard curve of MP02737-1, Mouse GPNMB Recombinant Matched Antibody Pair - PBS only. 86874-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg2814. 86874-2-PBS was HRP conjugated as the detection antibody. Range: 0.313-20 ng/mL