

For Research Use Only

# GPNMB Polyclonal antibody

Catalog Number: 32598-1-AP



## Basic Information

<b>Catalog Number:</b> 32598-1-AP	<b>GenBank Accession Number:</b> NM_133298.1	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 150ul , Concentration: 500 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 113955	<b>Recommended Dilutions:</b> WB: 1:200-1:1000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9QZF6	
<b>Isotype:</b> IgG	<b>Full Name:</b> glycoprotein (transmembrane) nmb	
<b>Immunogen Catalog Number:</b> EG3283	<b>Calculated MW:</b> 64 kDa	
	<b>Observed MW:</b> 120 kDa, 95 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : rat spleen tissue,
<b>Species Specificity:</b> 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 -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

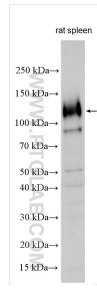
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## Selected Validation Data



Rat spleen tissue were subjected to SDS PAGE followed by western blot with 32598-1-AP (GPNMB antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.