

For Research Use Only

# GPNMB Polyclonal antibody

Catalog Number: 27037-1-AP



## Basic Information

<b>Catalog Number:</b> 27037-1-AP	<b>GenBank Accession Number:</b> BC011595	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 400 µg/ml	<b>GeneID (NCBI):</b> 10457	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q14956	
<b>Isotype:</b> IgG	<b>Full Name:</b> glycoprotein (transmembrane) nmb	
<b>Immunogen Catalog Number:</b> AG25826	<b>Calculated MW:</b> 64 kDa	
	<b>Observed MW:</b> 120 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : TT cells,
<b>Species Specificity:</b> human	

## 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 pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

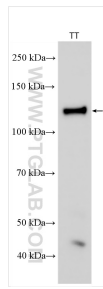
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## Selected Validation Data



TT cells were subjected to SDS PAGE followed by western blot with 27037-1-AP (GPNMB antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.