

For Research Use Only

# GPNMB Monoclonal antibody, PBS Only

Catalog Number: 66926-1-PBS



## Basic Information

Catalog Number:

66926-1-PBS

Concentration:

1mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG26747

GenBank Accession Number:

BC011595

GeneID (NCBI):

10457

UNIPROT ID:

Q14956

Full Name:

glycoprotein (transmembrane) nmb

Calculated MW:

64 kDa

Observed MW:

64-70 kDa

Purification Method:

Protein G purification

CloneNo.:

2B10B8

## Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human, 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

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

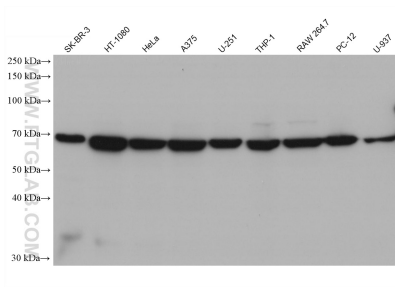
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

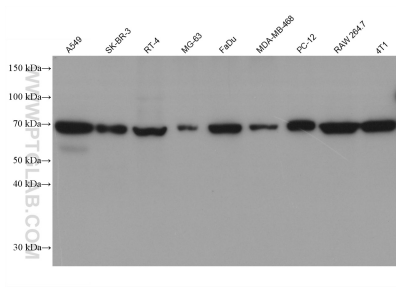
W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

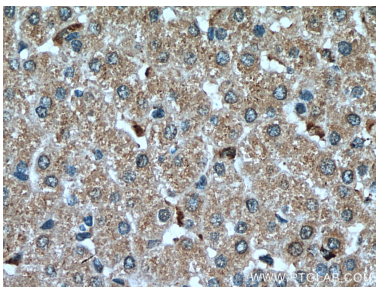
## Selected Validation Data



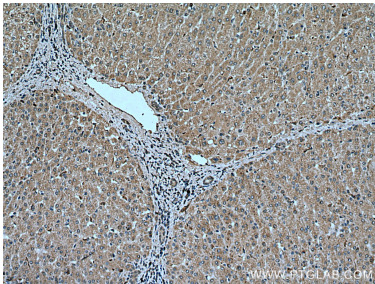
Various lysates were subjected to SDS PAGE followed by western blot with 66926-1-Ig (GPNMB antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66926-1-PBS in a different storage buffer formulation.



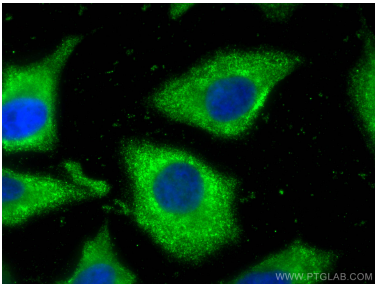
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Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66926-1-Ig (GPNMB antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieved with Sodium Citrate buffer (pH 6.0). This data was developed using the same antibody clone with 66926-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66926-1-Ig (GPNMB antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieved with Sodium Citrate buffer (pH 6.0). This data was developed using the same antibody clone with 66926-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using GPNMB antibody (66926-1-Ig, Clone: 2B10B8) at dilution of 1:250 and Coralite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66926-1-PBS in a different storage buffer formulation.