

For Research Use Only

# GPNMB Polyclonal antibody

Catalog Number: 20338-1-AP

Featured Product

8 Publications



## Basic Information

**Catalog Number:**

20338-1-AP

**Size:**

260 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG14124

**GenBank Accession Number:**

BC011595

**GeneID (NCBI):**

10457

**UNIPROT ID:**

Q14956

**Full Name:**

glycoprotein (transmembrane) nmb

**Calculated MW:**

64 kDa

**Observed MW:**

68 kDa

**Purification Method:**

Antigen affinity purification

## Applications

**Tested Applications:**

ELISA

**Cited Applications:**

IF, IHC, WB

**Species Specificity:**

human, mouse

**Cited Species:**

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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Tianzhi Chen	27690000	Int J Mol Sci	WB
Feifei Ren	31498430	J Cell Physiol	
Shi Zhi-Zhou ZZ	23158542	BMC Med Genomics	IHC

## 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