

For Research Use Only

GPNMB Polyclonal antibody

Catalog Number: 20338-1-AP

Featured Product

8 Publications



Basic Information

Catalog Number:

20338-1-AP

Size:

150ul, Concentration: 260 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;

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:

WB, IF, IHC

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

*** 20ul sizes contain 0.1% BSA

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

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