

For Research Use Only

GPNMB Polyclonal antibody

Catalog Number: 27037-1-AP



Basic Information

Catalog Number:

27037-1-AP

Size:

400 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25826

GenBank Accession Number:

BC011595

GeneID (NCBI):

10457

UNIPROT ID:

Q14956

Full Name:

glycoprotein (transmembrane) nmb

Calculated MW:

64 kDa

Observed MW:

120 kDa, 95 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : TT cells, L-929 cells

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:

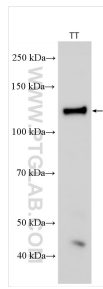
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.