

For Research Use Only

GPNMB Recombinant antibody

Catalog Number: 84160-3-RR



Basic Information

Catalog Number: 84160-3-RR	GenBank Accession Number: BC011595	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 10457	CloneNo.: 241435F3
Source: Rabbit	UNIPROT ID: Q14956	Recommended Dilutions: WB 1:2000-1:10000 IF/ICC 1:50-1:500
Isotype: IgG	Full Name: glycoprotein (transmembrane) nmb	
Immunogen Catalog Number: AG14124	Calculated MW: 64 kDa	
	Observed MW: 120 kDa, 95 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	WB : THP-1 cells, A375 cells IF/ICC : HeLa 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

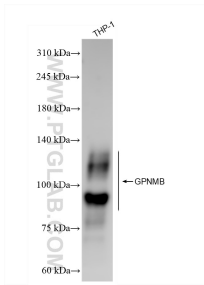
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

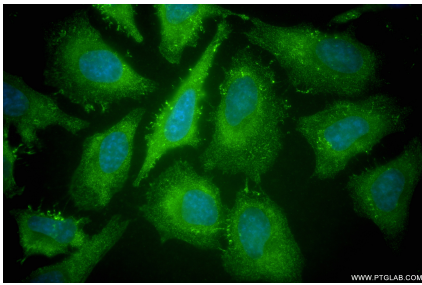
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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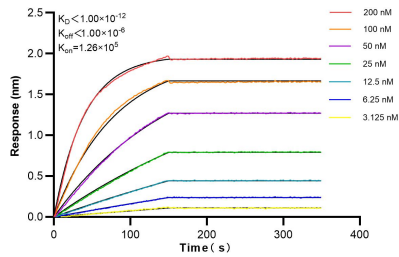
Selected Validation Data



THP-1 cells were subjected to SDS PAGE followed by western blot with 84160-3-RR (GPNMB antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using GPNMB antibody (84160-3-RR, Clone: 241435F3) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 84160-3-RR against Human GPNMB were performed. The affinity constant is below 1 pM.