



# Anti-GPNMB polyclonal antibody (DPABY-294)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	Osteoactivin, also known as transmembrane glycoprotein NMB (GPNMB) and dendritic cell-associated transmembrane protein (DC-HIL), is a type I transmembrane glycoprotein that is found either on the plasma membrane or on membranes of the endosome/lysosome compartment. The extracellular region of Osteoactivin contains a heparin-binding motif and an integrin recognition RGD domain, while the cytoplasmic region contains an immunoreceptor tyrosine-based activation motif (ITAM) and lysosomal targeting motif.
<b>Specificity</b>	Detects mouse Osteoactivin/GPNMB in ELISAs and Western blots. In sandwich immunoassays, less than 0.2% cross-reactivity with recombinant human (rh)Osteoactivin, rhSyndecan-4, and recombinant mouse Syndecan-4 is observed.
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant mouse Osteoactivin/GPNMB. Lys23-Asn502 Accession Number Q8BVA0
<b>Isotype</b>	IgG
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Mouse
<b>Purification</b>	Antigen Affinity-purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Western Blot, ELISA Capture (Matched Pair), Neutralization
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
<b>Preservative</b>	None

<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
	12 months from date of receipt, -20 to -70 °C as supplied.
	1 month, 2 to 8 °C under sterile conditions after reconstitution.
	6 months, -20 to -70 °C under sterile conditions after reconstitution.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Gpnmb glycoprotein (transmembrane) nmb [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	GPNMB
<b>Synonyms</b>	GPNMB; glycoprotein (transmembrane) nmb; ipd; Dchil; DC-HIL; transmembrane glycoprotein NMB; osteoactivin; iris pigment dispersion; dendritic cell-associated transmembrane protein; dendritic cell-associated heparin sulfate proteoglycan-dependent integrin
<b>Entrez Gene ID</b>	<a href="#">93695</a>
<b>Protein Refseq</b>	<a href="#">NP_444340</a>
<b>UniProt ID</b>	<a href="#">Q99P91</a>
<b>Chromosome Location</b>	6 B2.3; 6 23.82 cM
<b>Function</b>	heparin binding; integrin binding;