



Anti-GPNMB polyclonal antibody (DPABY-279)

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

PRODUCT INFORMATION

Antigen Description	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.
Specificity	Detects human Osteoactivin in ELISAs and Western blots. In sandwich immunoassays, less than 2% cross-reactivity with recombinant mouse Osteoactivin is observed.
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Osteoactivin isoform b. Lys23-Asn486 Accession Number NP_002501
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen Affinity-purified
Conjugate	Unconjugated
Applications	Western Blot, Immunohistochemistry, ELISA Capture (Matched Pair)
Format	Liquid
Size	100 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.
Preservative	See individual product datasheet

Storage	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

Gene Name	GPNMB glycoprotein (transmembrane) nmb [Homo sapiens (human)]
Official Symbol	GPNMB
Synonyms	GPNMB; glycoprotein (transmembrane) nmb; NMB; HGFIN; transmembrane glycoprotein NMB; osteoactivin; glycoprotein NMB; glycoprotein nmb-like protein; transmembrane glycoprotein HGFIN;
Entrez Gene ID	10457
Protein Refseq	NP_001005340
UniProt ID	Q14956
Chromosome Location	7p15
Function	heparin binding; integrin binding;