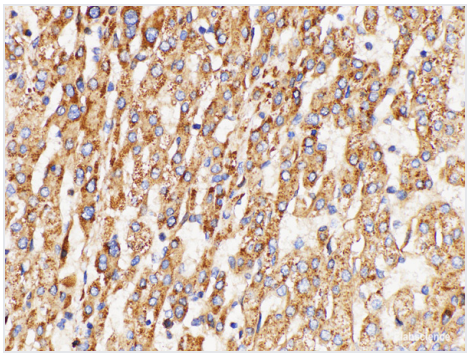
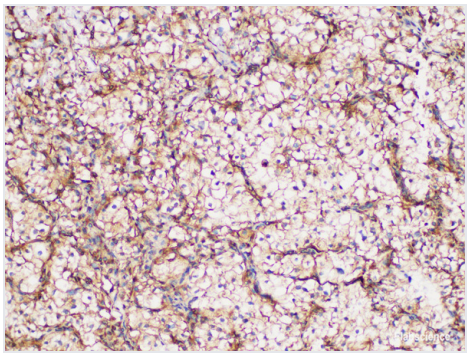
GPNMB Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GPNMB, Polyclonal Antibody
Full Product Name	GPNMB Polyclonal Antibody
Product Gene Name	anti-GPNMB antibody
Product Synonym Names	Glycoprotein nmb; Glycoprotein nmb like protein; Gpnmb; HGFIN; NMB; Osteoactivin; Transmembrane glycoprotein; Transmembrane glycoprotein HGFIN; Transmembrane glycoprotein NMB;
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	PBS with 0.05% Proclin300, 50% glycerol, pH7.3.
Purity/Purification	Antigen Affinity Purification
Concentration	1mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	62,643 Da
OMIM	604368
3D Structure	ModBase 3D Structure for Q14956
Immunogen	Recombinant Human Transmembrane glycoprotein NMB protein
Conjugation	Unconjugated
Product Categories/Family for anti-GPNMB antibody	Immunology; Cancer
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-GPNMB antibody	Immunohistochemistry (IHC)
Application Notes for anti-GPNMB antibody	IHC: 1:100-1:300
Related Product Information for anti-GPNMB antibody	The protein encoded by this gene is a type I transmembrane glycoprotein which shows homology to the pMEL17 precursor, a melanocyte-specific protein. 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 may be involved in growth delay and reduction of metastatic potential. Two transcript variants encoding different isoforms have been found for this gene.
Other Notes	Small volumes of anti-GPNMB antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for GPNMB purchase	MBS2568154 is an antibody targeting GPNMB. Also known as GPNMB Polyclonal Antibody. Reactive in Human. Host: Rabbit.



Immununohistochemistry (IHC) of anti-GPNMB antibody
Immunohistochemistry of paraffin-embedded Human liver cancer using GPNMB Polycloanl Antibody at dilution of 1:200



Immunohistochemistry (IHC) of anti-GPNMB antibody
Immunohistochemistry of paraffin-embedded Human renal clear cell carcinoma using GPNMB Polycloanl Antibody at dilution of 1:200

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GPNMB. It may not necessarily be applicable to this product.

NCBI GI #	52694752
NCBI GeneID	10457
NCBI Accession #	NP_001005340.1
UniProt Primary Accession #	Q14956
UniProt Secondary Accession #	Q6UVX1; Q8N1A1; A4D155
UniProt Related Accession #	Q14956
GenBank Nucleotide #	NM_001005340.1
NCBI Official Full Name	transmembrane glycoprotein NMB isoform a
NCBI Official Synonym Full Names	glycoprotein (transmembrane) nmb
NCBI Official Symbol	GPNMB
NCBI Official Synonym Symbols	NMB; HGFIN
UniProt Protein Name	Transmembrane glycoprotein NMB
UniProt Synonym Protein Names	Transmembrane glycoprotein HGFIN
Protein Family	Transmembrane glycoprotein
UniProt Gene Name	GPNMB
UniProt Synonym Gene Names	HGFIN; NMB
UniProt Entry Name	GPNMB_HUMAN
NCBI Protein Information	transmembrane glycoprotein NMB; glycoprotein nmb-like protein; osteoactivin; transmembrane glycoprotein HGFIN

UniProt Comments for GPNMB	GPNMB: Could be a melanogenic enzyme. Belongs to the PMEL/NMB family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 7p15 Cellular Component: integral to plasma membrane; integral to membrane; melanosome Molecular Function: heparin binding; integrin binding Biological Process: osteoblast differentiation; negative regulation of cell proliferation; cell adhesion; bone mineralization
Research Articles on GPNMB	**1.** DC-HIL+ CD14+ HLA-DR no/low cells are a potential blood marker and therapeutic target for melanoma
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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