

Rabbit GPNMB Polyclonal Antibody | anti-GPNMB antibody

GPNMB antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199457	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish	Western Blot

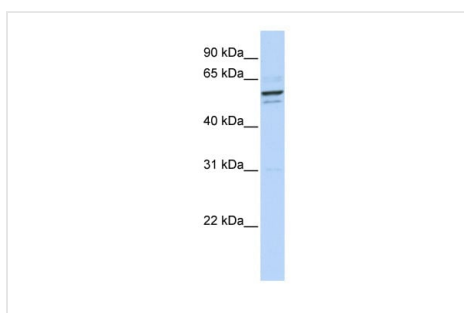
PRODUCT SYNONYMS

GPNMB; Polyclonal Antibody; GPNMB antibody - N-terminal region; anti-GPNMB antibody

PRODUCT SPECIFICATIONS

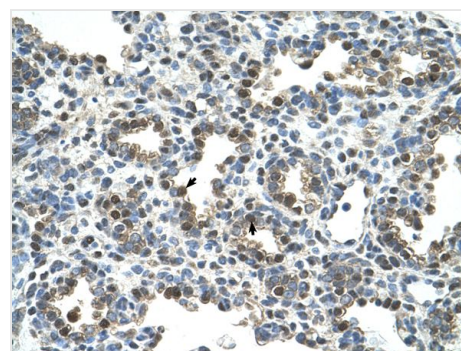
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following sequence: KG GRVQAVLTSD SPALVGSNIT FAVNLIFPRC QKEDANGNIV YEKNCRNE
Sequence Length	560
Applicable Applications for anti-GPNMB antibody	WB (Western Blot)
Homology	Cow: 93%; Dog: 79%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 85%; Rat: 100%; Zebrafish: 77%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human GPNMB
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-GPNMB Antibody Titration: 1 ug/ml Positive Control: 293T cells lysate



IHC (Immunohistochemistry)

HepG2

ADDITIONAL INFORMATION

Related Product Information for anti-GPNMB antibody	This is a rabbit polyclonal antibody against GPNMB. It was validated on Western Blot using a cell lysate as a positive control. Target Description: GPNMB 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. 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.
Product Categories/Family for anti-GPNMB antibody	Polyclonal; Signal Proteins; Lymphocyte Signaling; Membrane Protein; Developmental Biology; Immunohistochemistry; Receptors

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505405
NCBI GeneID	10457
NCBI Accession #	NP_002501
NCBI GenBank Nucleotide #	NM_002510
UniProt Accession #	Q14956
Molecular Weight	60kDa
NCBI Official Full Name	transmembrane glycoprotein NMB isoform b
NCBI Official Synonym Full Names	glycoprotein nmb
NCBI Official Symbol	GPNMB
NCBI Official Synonym Symbols	NMB; HGFIN; PLCA3
NCBI Protein Information	transmembrane glycoprotein NMB
UniProt Protein Name	Transmembrane glycoprotein NMB
UniProt Gene Name	GPNMB
UniProt Synonym Gene Names	HGFIN; NMB
UniProt Entry Name	GPNMB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.