

**GNPMB Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17232b****Specification**

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**GNPMB Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [Q14956](#)**GNPMB Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 10457**Other Names**

Transmembrane glycoprotein NMB, Transmembrane glycoprotein HGFIN, GPNMB, HGFIN, NMB

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**GNPMB Antibody (C-term) Blocking Peptide - Protein Information****Name** GPNMB**Synonyms** HGFIN {ECO:0000303|PubMed:12609765}, NMB**Function**

Could be a melanogenic enzyme.

**Cellular Location**

Cell membrane; Single-pass type I membrane protein Melanosome membrane; Single-pass type I membrane protein. Early endosome membrane; Single-pass type I membrane protein.

Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV

**Tissue Location**

Widely expressed, but very low expression, if any, in the brain (PubMed:12609765, PubMed:16609006). Expressed in the epidermis with higher levels in melanocytes compared with keratinocytes and Langerhans cells (at protein level) (PubMed:29336782). Expressed in peripheral blood, but not bone marrow mononuclear cells (PubMed:12609765). Expressed in tissue macrophages, including liver Kupffer cells and lung alveolar macrophages, in podocytes and in some cells of the ciliary body of the eye (at protein level) (PubMed:16489096). May be overexpressed in various cancers, including melanoma and glioblastoma multiforme (PubMed:7814155, PubMed:16489096, PubMed:16609006).

## **GPNMB Antibody (C-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

## **GPNMB Antibody (C-term) Blocking Peptide - Images**

## **GPNMB Antibody (C-term) Blocking Peptide - Background**

The protein encoded by this gene is a type I transmembraneglycoprotein which shows homology to the pMEL17 precursor, amelanocyte-specific protein. GPNMB shows expression in the lowlymetastatic human melanoma cell lines and xenografts but does notshow expression in the highly metastatic cell lines. GPNMB may beinvolved in growth delay and reduction of metastatic potential. Twotranscript variants encoding different isoforms have been found forthis gene.

## **GPNMB Antibody (C-term) Blocking Peptide - References**

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Williams, M.D., et al. Melanoma Res. 20(3):184-190(2010)Hoashi, T., et al. FASEB J. 24(5):1616-1629(2010)Rose, A.A., et al. Clin. Cancer Res. 16(7):2147-2156(2010)Rose, A.A., et al. PLoS ONE 5 (8), E12093 (2010) :