

**Anti-GPNMB Reference Antibody (glembatumumab)  
Recombinant Antibody  
Catalog # APR10603****Specification**

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**Anti-GPNMB Reference Antibody (glembatumumab) - Product Information**

Application	FC, E, FTA
Primary Accession	<a href="#">Q14956</a>
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2SA
Calculated MW	145 KDa

**Anti-GPNMB Reference Antibody (glembatumumab) - Additional Information****Target/Specificity**  
GPNMB**Endotoxin**  
< 0.001EU/ µg,determined by LAL method.**Conjugation**  
Unconjugated**Expression system**  
CHO Cell**Format**  
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.**Storage**  
-80°C for 2 years under sterile conditions □ -20°C for 1 year under sterile conditions □ Avoid repeated freeze-thaw cycles.**Anti-GPNMB Reference Antibody (glembatumumab) - 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

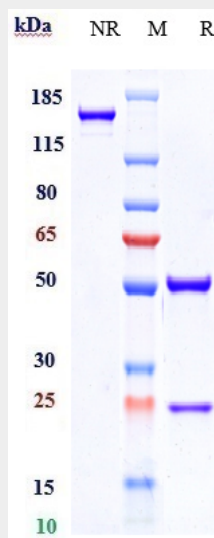
Widely expressed, but very low expression, if any, in the brain (PubMed:12609765, PubMed:16609006). Expressed in the epidermis with higher levels in melanocytes compared with keratinocytes and Langerhans cells (at protein level) (PubMed:29336782). Expressed in peripheral blood, but not bone marrow mononuclear 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).

### Anti-GPNMB Reference Antibody (glembatumumab) - Protocols

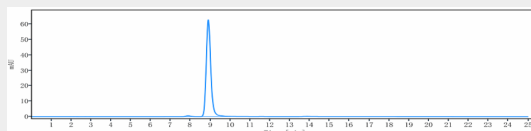
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Anti-GPNMB Reference Antibody (glembatumumab) - Images



Anti-GPNMB Reference Antibody (glembatumumab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-GPNMB Reference Antibody (glembatumumab) is more than 95%, determined by SEC-HPLC.