
Product Name: GPNMB Mouse Monoclonal Antibody**Catalog #: AMM81237**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ELISA
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000
Molecular Weight	64kDa

Antigen Information

Gene Name	GPNMB
Alternative Names	NMB; HGFIN
Gene ID	10457.0
SwissProt ID	Q14956
Immunogen	Purified recombinant fragment of human GPNMB (AA: 31-260) expressed in E. Coli.

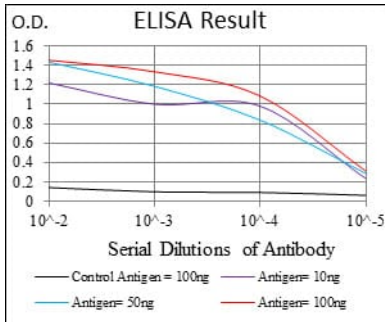
Background

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

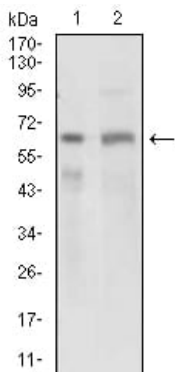
metastatic potential. Two transcript variants encoding different isoforms have been found for this gene.

Research Area

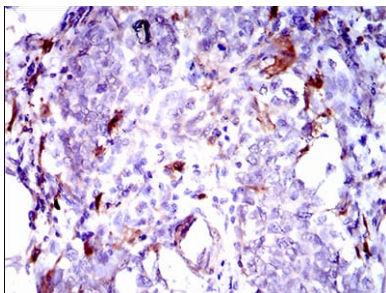
Image Data



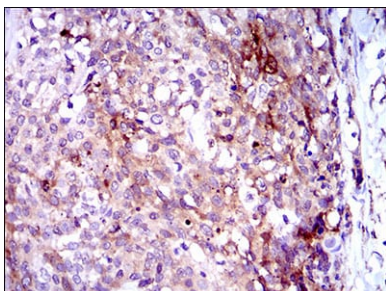
Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



Western blot analysis using GPNMB mouse mAb against PANC1 (1) and PC-3 (2) cell lysate.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissues using GPNMB mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human esophagus cancer tissues using GPNMB mouse mAb with DAB staining.