

Recombinant GPNMB Monoclonal Antibody

catalog number: **AN301540L**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

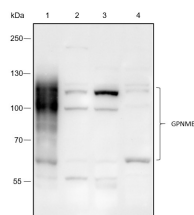
Description

Reactivity	Human;Mouse
Immunogen	Recombinant human GPNMB fragment
Host	Rabbit
Isotype	IgG, κ
Clone	A239
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications Recommended Dilution

WB	1:500-1:1000
IHC	1:200-1:1000
FCM	1:50-1:100

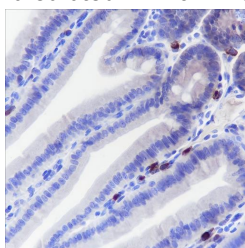
Data



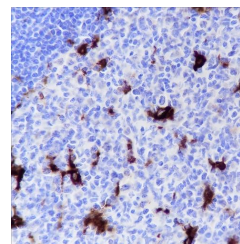
Western Blot with GPNMB Monoclonal Antibody at dilution of 1:1000. Lane 1: A375, Lane 2: B16-F0, Lane 3: EL4.IL-2, Lane 4: HeLa

Observed-MW:120,95,65 kDa

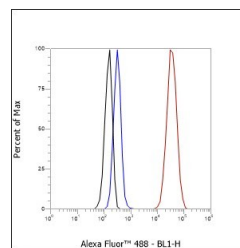
Calculated-MW:64 kDa



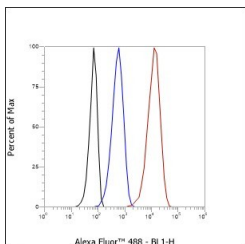
Immunohistochemistry of paraffin-embedded Mouse small intestine using GPNMB Monoclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Human tonsil using GPNMB Monoclonal Antibody at dilution of 1:1000.



Flow cytometric analysis of human GPNMB expression on A375 cells. Cells were stained with purified anti-Human GPNMB, then a Alexa Fluor 488-conjugated second step antibody. The histogram were derived from events with the forward and side light-scatter characteristics of intact cells.



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Flow cytometric analysis of human GPNMB expression on EL4 cells. Cells were stained with purified anti-Human GPNMB, then a Alexa Fluor 488-conjugated second step antibody. The histogram were derived from events with the forward and side light-scatter characteristics of intact cells.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

The protein 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.

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