

Recombinant GPNMB Monoclonal Antibody

catalog number: AN301540L

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

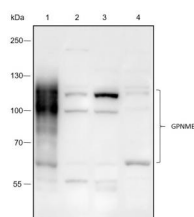
Description

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

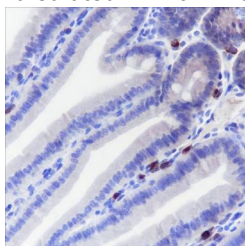
Data



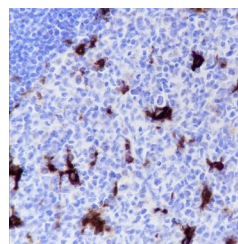
Western Blot with GPNMB Monoclonal Antibody at dilution of 1:1000. Lane 1: A375, Lane 2: B16-F0, Lane 3: EL4.IL-2, Lane 4: HeLa

Observed-MW:120,95,65 kDa

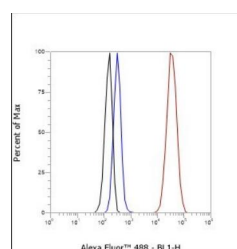
Calculated-MW:64 kDa



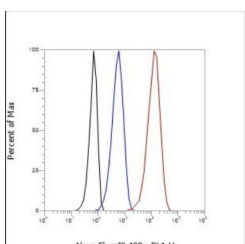
Immunohistochemistry of paraffin-embedded Mouse small intestine using GPNMB Monoclonal Antibody at dilution of 1:1000.



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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Rev. V1.0

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 trans membrane 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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