

GPNMB Recombinant Mouse mAb

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Catalog # AP94615

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC
Host	Rabbit
Clonality	Recombinant
Physical State	Liquid
Isotype	IgG1, Kappa
Purity	affinity purified by Protein G
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane; Single-pass type I membrane protein (Potential). Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.
SIMILARITY	Belongs to the PMEL/NMB family. Contains 1 PKD domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. [provided by RefSeq, Jul 2008]

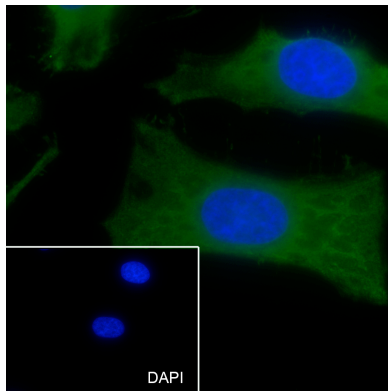
Additional Information

Target/Specificity	Not restricted to the melanocytic lineage.
Dilution	WB=1:200-1:1000,IHC-P=1:50-200,IHC-F=1:100-500,ICC/IF=1:20-100,IF=0
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

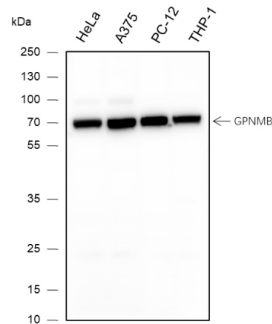
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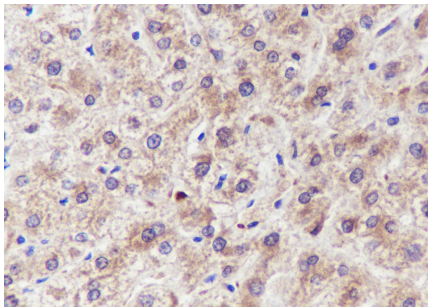
Images



Cell line: HeLa Fixative: 100% Ice-cold methanol
 Permeabilization: 0.1% TritonX-100 Primary ab dilution:
 1:50 Primary incubation condition: 4°C overnight
 Secondary ab: Goat Anti-Mouse IgG Nuclear counter
 stain: DAPI (Blue) Comment: Color green is the positive
 signal for AP94615



Blocking buffer: 5% NFDM/TBST Primary ab dilution:
 1:1000 Primary ab incubation condition: 4°C overnight
 Secondary ab: Goat Anti-Mouse IgG H&L (HRP) Lysate:
 HeLa, A375, PC-12, THP-1 Protein loading quantity: 20 µg
 Exposure time: 10 s Predicted MW: 64-70 kDa Observed
 MW: 70 kDa



Tissue: Human liver Section type: Formalin fixed &
 Paraffin -embedded section Retrieval method: High
 temperature and high pressure Retrieval buffer:
 Tris/EDTA buffer, pH 9.0 Primary ab dilution: 1:100
 Primary ab incubation condition: 1 hour at room
 temperature Secondary ab: SP Kit(Mouse)(sp-0024)
 Counter stain: Hematoxylin (Blue) Comment: Color brown
 is the positive signal for AP94615

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.