

Anti-GPNMB Antibody (1G705)

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse
Molecular Weight:	Actual: 95120 kDa.
Clone:	1G705
Purification:	Protein A purified

Applications

Verified Activity:

1. Blocking buffer: 5% NFDM/TBST
Primary ab dilution: 1:1000
Primary ab incubation condition: 2 hours at room temperature
Secondary ab: Goat Anti-Rabbit IgG H&L (HRP)
Lysate: 1: A375, 2: B16-F0, 3: EL4.IL-2, 4: HeLa
Protein loading quantity: 20 µg
Exposure time: 60 s
Predicted MW: 64 kDa
Observed MW: 120, 95, 65 kDa
2. Tissue: Mouse small intestine
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: 1:1000
Primary ab incubation condition: 1 hour at room temperature
Secondary ab: SP Kit (Rabbit)
Counter stain: Hematoxylin (Blue)
Comment: Color brown is the positive signal for TMAB-06677
3. Tissue: Human tonsil
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: 1:1000
Primary ab incubation condition: 1 hour at room temperature
Secondary ab: SP Kit (Rabbit)
Counter stain: Hematoxylin (Blue)
Comment: Color brown is the positive signal for TMAB-06677
4. Cell line: EL4
Fixative: 4% Paraformaldehyde
Permeabilization: 90% Methanol
Primary ab dilution: 1:100
Secondary ab: Goat anti Rabbit IgG
Unlabelled control: The cell without incubation with primary antibody and secondary antibody (Black line).
Isotype control: Rabbit monoclonal IgG (Blue line).
Comment: Line red is the positive signal for TMAB-06677
5. Cell line: A375
Fixative: 4% Paraformaldehyde

A DRUG SCREENING EXPERT

Permeabilization: 90% Methanol

Primary ab dilution: 1:100

Secondary ab: Goat anti Rabbit IgG

Unlabelled control: The cell without incubation with primary antibody and secondary antibody (Black line).

Isotype control: Rabbit monoclonal IgG (Blue line).

Comment: Line red is the positive signal for TMAB-06677

Application: WB,FCM

Recommended WB=1:500-1000,FCM=1:50-100

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Gene ID: 10457

Research 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. [provided by RefSeq, Jul 2008]

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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