

**GPMB Antibody (monoclonal) (M01)**

Mouse monoclonal antibody raised against a partial recombinant GPMB.

Catalog # AT2244a

**Specification**

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**GPMB Antibody (monoclonal) (M01) - Product Information**

Application	WB, E
Primary Accession	<a href="#">Q14956</a>
Other Accession	<a href="#">NM_001005340</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	63923

**GPMB Antibody (monoclonal) (M01) - Additional Information**

Gene ID 10457

**Other Names**

Transmembrane glycoprotein NMB, Transmembrane glycoprotein HGFIN, GPMB, HGFIN, NMB

**Target/Specificity**

GPMB (NP\_001005340, 104 a.a. ~ 203 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution**

WB~~1:500~1000

**Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions**

GPMB Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

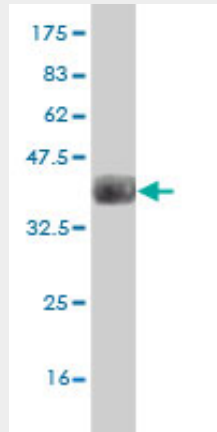
**GPMB Antibody (monoclonal) (M01) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

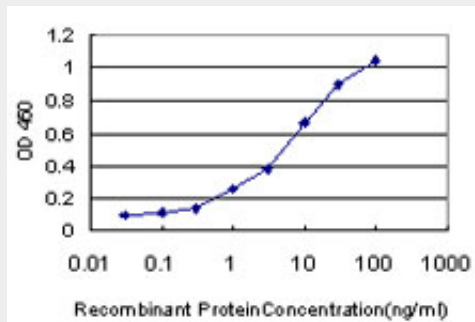
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### GNMB Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 kDa) .



Detection limit for recombinant GST tagged GNMB is approximately 0.3ng/ml as a capture antibody.

### GNMB Antibody (monoclonal) (M01) - Background

The protein encoded by this gene is a type I transmembrane glycoprotein which shows homology to the pMEL17 precursor, a melanocyte-specific protein. GNMB shows expression in the lowly metastatic human melanoma cell lines and xenografts but does not show expression in the highly metastatic cell lines. GNMB may be involved in growth delay and reduction of metastatic potential. Two transcript variants encoding different isoforms have been found for this gene.

### GNMB Antibody (monoclonal) (M01) - References

1. GNMB/OA protein increases the invasiveness of human metastatic prostate cancer cell lines DU145 and PC3 through MMP-2 and MMP-9 activity. Fiorentini C, Bodei S, Bedussi F, Fragni M, Bonini SA, Simeone C, Zani D, Berruti A, Missale C, Memo M, Spano P, Sigala S. *Exp Cell Res*. 2014 Feb 28. pii: S0014-4827(14)00088-3. doi: 10.1016/j.yexcr.2014.02.025. 2. Bioinformatic and statistical analysis of the optic nerve head in a primate model of ocular hypertension. Kompass KS, Agapova OA, Li W, Kaufman PL, Rasmussen CA, Hernandez MR. *BMC Neurosci*. 2008 Sep 26;9:93.