

ARG10645 anti-GPNMB antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes GPNMB
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog, Gpig, Hrs, Rb
Tested Application	IHC-P, WB
Specificity	100% homologous to both isoforms of hGPNMB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	GPNMB
Antigen Species	Human
Immunogen	Synthetic peptide around the N-terminus of Human GPNMB. (DENDWNEKLYPVWKRGD MRWKN SWKGG RVQAVLTSDSPALVGSNITFAVN)
Conjugation	Un-conjugated
Alternate Names	Transmembrane glycoprotein HGFIN; HGFIN; NMB; Transmembrane glycoprotein NMB

Application Instructions

Predict Reactivity Note	Homology Based On Immunogen Sequence: Cow: 100%; Dog: 79%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 93%						
Application table	<table><thead><tr><th>Application</th><th>Dilution</th></tr></thead><tbody><tr><td>IHC-P</td><td>4 - 8 µg/ml</td></tr><tr><td>WB</td><td>1.0 µg/ml</td></tr></tbody></table>	Application	Dilution	IHC-P	4 - 8 µg/ml	WB	1.0 µg/ml
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IHC-P	4 - 8 µg/ml						
WB	1.0 µg/ml						
Application Note	IHC-P: Antigen Retrieval: Boil the paraffin sections in Sodium citrate, pH 6.0, for 20 mins. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.						
Calculated Mw	64 kDa						

Properties

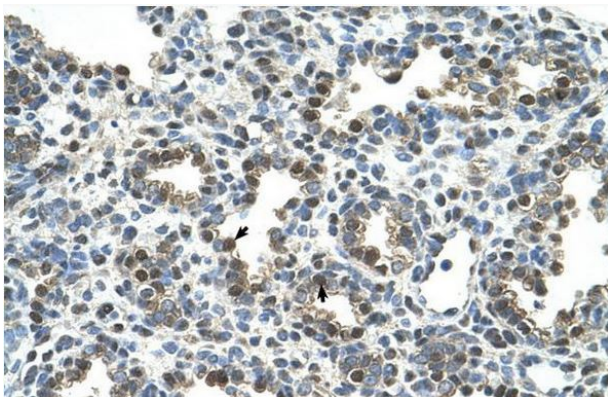
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.09% (w/v) Sodium azide and 2% Sucrose.
Preservative	0.09% (w/v) Sodium azide
Stabilizer	2% Sucrose

Concentration	0.5 - 1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

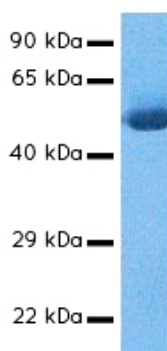
Database links	GeneID: 10457 Human Swiss-port # Q14956 Human
Gene Symbol	GPNMB
Gene Full Name	glycoprotein (transmembrane) nmb
Background	The protein encoded by this gene is a type I transmembrane glycoprotein which shows homology to the pMEL17 precursor, a melanocyte-specific protein. GPNMB shows expression 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]
Function	Could be a melanogenic enzyme. [UniProt]

Images



ARG10645 anti-GPNMB antibody IHC-P image

Immunohistochemistry: Human lung tissue stained with ARG10645 anti-GPNMB antibody at 4.0 - 8.0 µg/ml dilution.



ARG10645 anti-GPNMB antibody WB image

Western blot: Human Fetal lung lysate stained with ARG10645 anti-GPNMB antibody at 1.0 µg/ml dilution.