

Anti-GPNMB antibody ab125898

[1 References](#) [2 Images](#)

Overview

Product name	Anti-GPNMB antibody
Description	Rabbit polyclonal to GPNMB
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment, corresponding to a region within amino acids 181-407 of Human GPNMB (Q14956).
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 78.99% PBS, 1% BSA, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Purification notes	ab125898 is purified by antigen-affinity chromatography.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab125898 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 64 kDa.
IHC-P		1/100 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Function

Could be a melanogenic enzyme.

Tissue specificity

Not restricted to the melanocytic lineage.

Sequence similarities

Belongs to the PMEL/NMB family.
Contains 1 PKD domain.

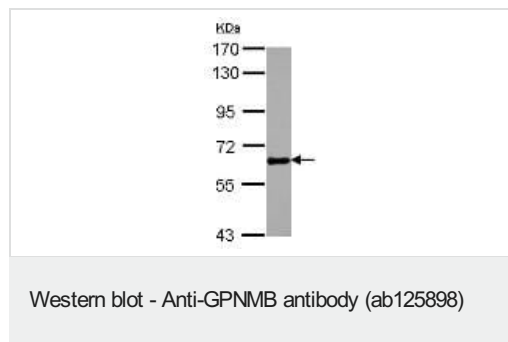
Developmental stage

Expression in poorly metastatic melanoma cell lines; no expression in highly metastatic melanoma cell lines.

Cellular localization

Membrane. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

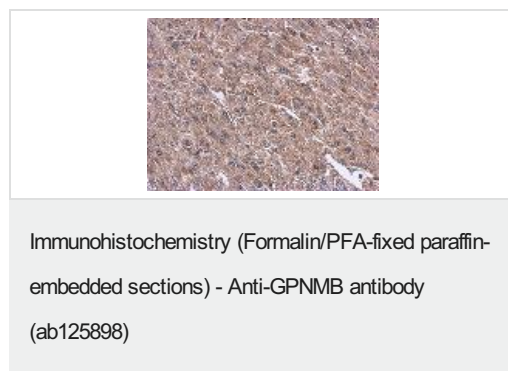
Images



Anti-GPNMB antibody (ab125898) at 1/5000 dilution + PC-3 whole cell lysate at 30 µg

Predicted band size: 64 kDa

7.5% SDS PAGE.



ab125898, at 1/500 dilution, staining GPNMB in Formalin-fixed, Paraffin-embedded U87 xenograft tissue by Immunohistochemistry.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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