

GPNMB Rabbit pAb

CatalogNo: YN2202

Key Features

Host Species

- Rabbit

Reactivity

- Human,Rat,Mouse

Applications

- WB,ELISA

MW

- 62kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from part region of human protein

Specificity GPNMB Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name GPNMB HGFIN NMB UNQ1725/PRO9925

Protein Name	Transmembrane glycoprotein NMB (Transmembrane glycoprotein HGFIN)												
	<table border="0"> <thead> <tr> <th>Organism</th> <th>Gene ID</th> <th>UniProt ID</th> </tr> </thead> <tbody> <tr> <td>Human</td> <td>10457;</td> <td>Q14956;</td> </tr> <tr> <td>Mouse</td> <td></td> <td>Q99P91;</td> </tr> <tr> <td>Rat</td> <td></td> <td>Q6P7C7;</td> </tr> </tbody> </table>	Organism	Gene ID	UniProt ID	Human	10457 ;	Q14956 ;	Mouse		Q99P91 ;	Rat		Q6P7C7 ;
Organism	Gene ID	UniProt ID											
Human	10457 ;	Q14956 ;											
Mouse		Q99P91 ;											
Rat		Q6P7C7 ;											
Cellular Localization	Cell membrane; Single-pass type I membrane protein . Melanosome membrane ; Single-pass type I membrane protein . Early endosome membrane ; Single-pass type I membrane protein . Identified by mass spectrometry in melanosome fractions from stage I to stage IV.												
Tissue specificity	Widely expressed, but very low expression, if any, in the brain (PubMed:12609765, PubMed:16609006). Expressed in the epidermis with higher levels in melanocytes compared with keratinocytes and Langerhans cells (at protein level) (PubMed:29336782). Expressed in peripheral blood, but not bone marrow mononuclear cells (PubMed:12609765). Expressed in tissue macrophages, including liver Kuppfer cells and lung alveolar macrophages, in podocytes and in some cells of the ciliary body of the eye (at protein level) (PubMed:16489096). May be overexpressed in various cancers, including melanoma and glioblastoma multiforme (PubMed:7814155, PubMed:16489096, PubMed:16609006).												
Function	developmental stage:Expression in poorly metastatic melanoma cell lines; no expression in highly metastatic melanoma cell lines.,Function:Could be a melanogenic enzyme.,similarity:Belongs to the Pmel-17/NMB family.,similarity:Contains 1 PKD domain.,subcellular location:Identified by mass spectrometry in melanosome fractions from stage I to stage IV.,tissue specificity:Not restricted to the melanocytic lineage.,												

Validation Data

Contact information

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