

## GPNMB Rabbit pAb

CatalogNo: YN2202

### Key Features

**Host Species**

- Rabbit

**Reactivity**

- Human, Mouse, Rat

**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, 0.5% BSA 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 HGFN NMB UNQ1725/PRO9925

Protein Name	Transmembrane glycoprotein NMB (Transmembrane glycoprotein HGFIN)		
	Organism	Gene ID	UniProt ID
	Human	<a href="#">10457;</a>	<a href="#">Q14956;</a>
	Mouse		<a href="#">Q99P91;</a>
	Rat		<a href="#">Q6P7C7;</a>
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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**GPNMB Rabbit pAb**