

Product datasheet for **TA807745AM**

GPNMB Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI2F9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2F9
Applications:	IHC, WB
Recommended Dilution:	IHC 1:150, WB 1:500
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human GPNMB (NP_001005340) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Biotin
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	61.5 kDa
Gene Name:	glycoprotein nmb
Database Link:	NP_001005340 Entrez Gene 10457 Human Q14956
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]



[View online »](#)

Synonyms: HGFIN; NMB

Protein Families: Druggable Genome, Transmembrane

Product images:

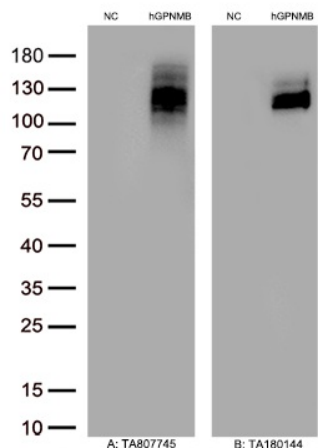
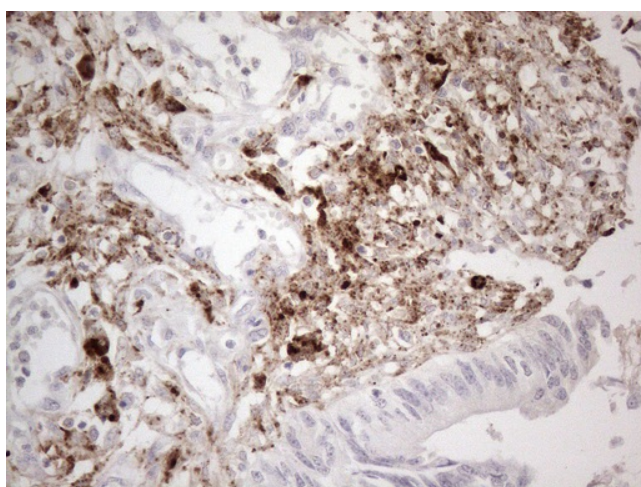
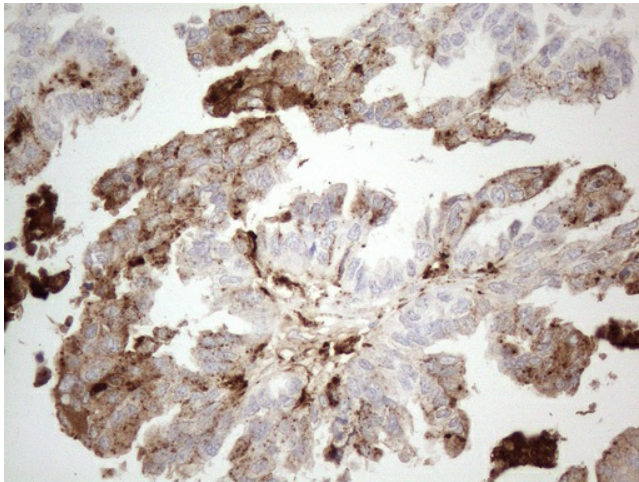


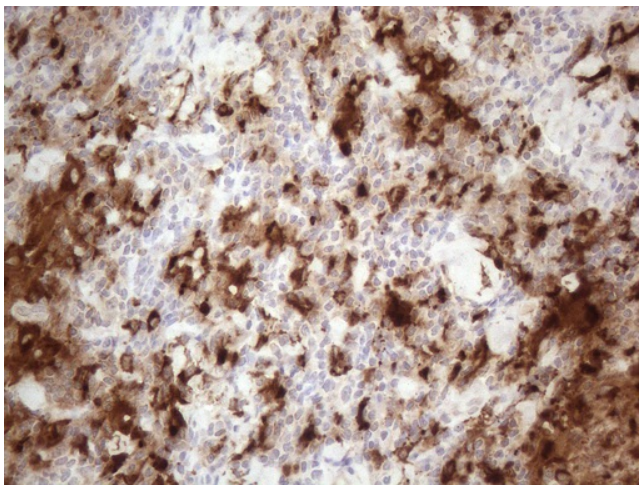
Figure A, Western blot analysis of overexpressed lysates (50ug per lane) from HEK293T cells transfected with empty plasmid ([PS100001], NC), human GPNMB plasmid ([RC207615], hGPNMB) using anti-GPNMB antibody [TA807745] (1:500). Figure B, Western blot analysis of the same samples as figure A with anti-DDK antibody ([TA180144], 1:1000)



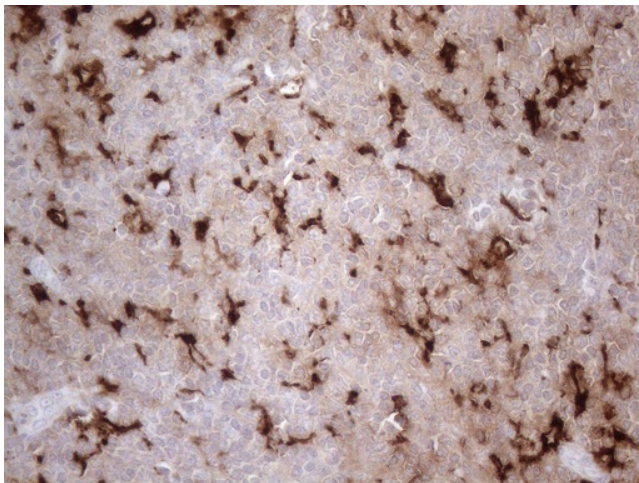
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-GPNMB mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA807745]) (1:150)



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-GNMB mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA807745]) (1:150)



Immunohistochemical staining of paraffin-embedded Human lymph node tissue within the normal limits using anti-GNMB mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA807745]) (1:150)



Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-GNMB mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA807745]) (1:150)