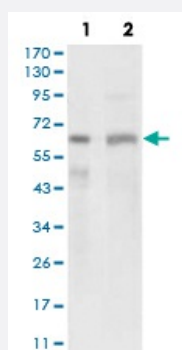


GPNMB monoclonal antibody, clone 7C10E5

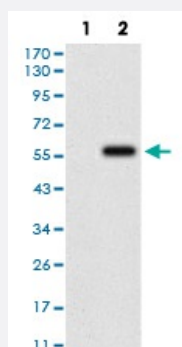
Catalog # MAB17762 Size 100 ug

Applications



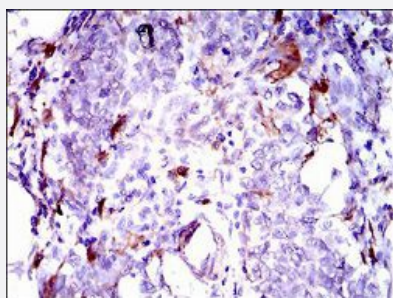
Western Blot (Cell lysate)

Western blot analysis of (1) PANC1 cell, (2) PC-3 cell with GPNMB monoclonal antibody.



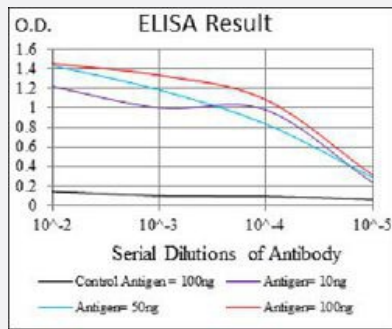
Western Blot (Transfected lysate)

Western blot analysis of (1) HEK293 cells, (2) GPNMB-hlgGFc transfected HEK293 cell lysate with GPNMB monoclonal antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded breast cancer tissue with GPNMB monoclonal antibody.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of GPNMB monoclonal antibody, clone 7C10E5.

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human GPNMB.
Immunogen	Recombinant protein corresponding to amino acids 31-260 of human GPNMB from <i>E. coli</i> .
Host	Mouse
Theoretical MW (kDa)	64
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Flow Cytometry Immunocytochemistry Immunohistochemistry (1:200-1:1000) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of (1) PANC1 cell, (2) PC-3 cell with GPNMB monoclonal antibody.

- Western Blot (Transfected lysate)

Western blot analysis of (1) HEK293 cells, (2) GPNMB-hlgGFc transfected HEK293 cell lysate with GPNMB monoclonal antibody.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded breast cancer tissue with GPNMB monoclonal antibody.

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of GPNMB monoclonal antibody, clone 7C10E5.

Gene Info — GPNMB

Entrez GeneID [10457](#)

Gene Name GPNMB

Gene Alias HGFIN, NMB

Gene Description glycoprotein (transmembrane) nmb

Omim ID [604368](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations glycoprotein NMB|glycoprotein nmb-like protein|osteoactivin|transmembrane glycoprotein

Disease

- [Tobacco Use Disorder](#)