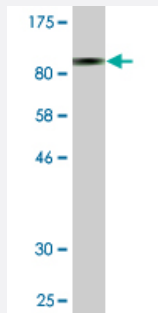


GPNMB monoclonal antibody (M09), clone 3A5

Catalog # H00010457-M09

Size 100 ug

Applications



Western Blot detection against Immunogen (88.44 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant GPNMB.

Immunogen

GPNMB (AAH32783.1, 1 a.a. ~ 572 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MECLYYFLGFLLLAARLPLDAAKRFHDVLGNERPSAYMREHNQLNGWSSDENDWNEKLYPVWK
RGDMRWKNSWKGGRVQAVLTSDSPALVGSNITFAVNLIFPRCQKEDANGNIVYEKNCRNEAGLS
ADPYVYNWTAWSESDGENG TGQSHHNVFPDGKPFPHPGWRRWNFIWFHTLGQYFQKLGR
CSVRSVNTANVTLPQLMEVTYRRHGRAYVPIAQVKDYYVTDQIPVFVTMFQKNDRNSSDET
FLKDLPIMFVDVLIHDP SHFLNYSTINYKWSFGDNTGLFVSTNHTVNHTYVLNGTFSNLTVKAAAPG
PCPPPPPPRPSKPTPSLATTLKSYDSNTPGPAGDNPLELSRIPDENCQINRYGHFQATITVEGILE
VNIIQMTDVLMPVPWPESLIDFVVTCCQGSIPTEVCTIISDPTCEITQNTVCSPVDVDEMCLLTVRRT
FNGSGTYCVNLT LGDDTSLALTSTLISVPDRDPASPLRMANSALISVGCLAIFVTVISLLVYKKHKEY
NPIENSPGNVVRSGLSVFLNRAKAVFFPGNQEKDPLLKNQEFKGV

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence

Mouse (70); Rat (69)

Isotype

IgG2a Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (88.44 KDa) .

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — GPNMB

Entrez GeneID

[10457](#)

GeneBank Accession#

[BC032783](#)

Protein Accession#

[AAH32783.1](#)

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](#)