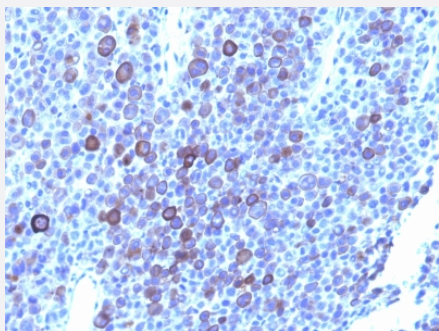


GPC3 monoclonal antibody, clone 1G12 + GPC3/863

Catalog # MAB21016 Size 100 ug

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human Melanoma using GPC3 monoclonal antibody, clone 1G12 + GPC3/863.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human GPC3.
Immunogen	Recombinant protein corresponding to amino acid 511-580 of human GPC3 (1G12); Recombinant protein corresponding to full length human GPC3 (GPC3/863).
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG
Recommend Usage	Flow Cytometry (0.5-1 ug/10 ⁶ cells in 0.1 mL) Immunofluorescence (0.5-1ug/mL) Immunohistochemistry (Formalin-fixed) (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 1 mM PBS.

Storage Instruction

Store at -20 to -80°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

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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human Melanoma using GPC3 monoclonal antibody, clone 1G12 + GPC3/863.

- Immunofluorescence

- Flow Cytometry

Gene Info — GPC3

Entrez GeneID [2719](#)

Protein Accession# [P51654](#)

Gene Name GPC3

Gene Alias DGSX, OCI-5, SDYS, SGB, SGBS, SGBS1

Gene Description glypican 3

Omim ID [194070](#) [300037](#) [312870](#)

Gene Ontology [Hyperlink](#)

Gene Summary

Cell surface heparan sulfate proteoglycans are composed of a membrane-associated protein core substituted with a variable number of heparan sulfate chains. Members of the glypican-related integral membrane proteoglycan family (GRIPS) contain a core protein anchored to the cytoplasmic membrane via a glycosyl phosphatidylinositol linkage. These proteins may play a role in the control of cell division and growth regulation. The protein encoded by this gene can bind to and inhibit the dipeptidyl peptidase activity of CD26, and it can induce apoptosis in certain cell types. Deletion mutations in this gene are associated with Simpson-Golabi-Behmel syndrome, also known as Simpson dysmorphism syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq]

Other Designations OTTHUMP00000024058|OTTHUMP00000062492|glypican proteoglycan 3