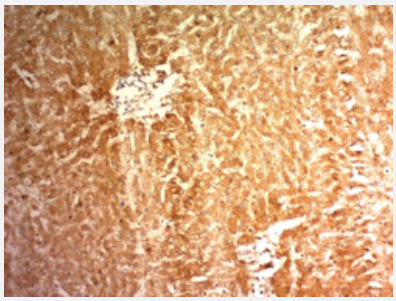
GPC3 monoclonal antibody, clone 1G12

Catalog # MAB13285 Size 100 ug

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human hepatocellular carcinoma with GPC3 monoclonal antibody, clone 1G12 (Cat # MAB13285).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human GPC3.
Immunogen	Recombinant protein corresponding to amino acids 511-580 of human GPC3.
Host	Mouse
Theoretical MW (kDa)	67
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/10^6 cells in 0.1 mL) Immunofluorescence (0.5-1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 1 mM PBS (0.05% BSA, 0.05% sodium azide).

Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human hepatocellular carcinoma with GPC3 monoclonal antibody, clone 1G12 (Cat # MAB13285).

- 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 cor e substituted with a variable number of heparan sulfate chains. Members of the glypican-related in tegral 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 contr ol of cell division and growth regulation. The protein encoded by this gene can bind to and inhibit t he dipeptidyl peptidase activity of CD26, and it can induce apoptosis in certain cell types. Deletio n mutations in this gene are associated with Simpson-Golabi-Behmel syndrome, also known as S impson dysmorphia syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq
Other Designations	OTTHUMP00000024058|OTTHUMP00000062492|glypican proteoglycan 3