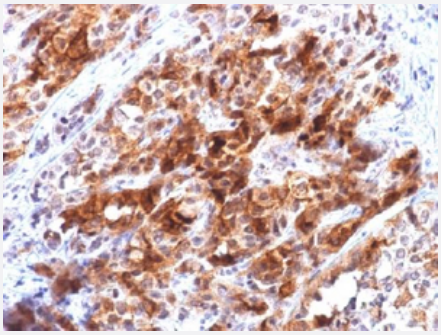
RecomAb™

GPC3 recombinant monoclonal antibody, clone rGPC3/863

Catalog # RAB00270 Size 100 ug

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human hepatocellular carcinoma with GPC3 recombinant monoclonal antibody, clone rGPC3/863 (Cat # RAB00270).

Specification

Product Description	Mouse recombinant monoclonal antibody raised against human GPC3.
Antibody Species	Mouse
Immunogen	Original antibody is raised against recombinant protein corresponding to full length human GPC3.
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/million cells) 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 10 mM PBS

Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

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

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human hepatocellular carcinoma with GPC3 recombinant monoclonal antibody, clone rGPC3/863 (Cat # RAB00270).

- 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 dysmorphia syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq
Other Designations	OTTHUMP00000024058|OTTHUMP00000062492|glypican proteoglycan 3

Publication Reference

- Expression and clinicopathologic significance of glypican 3 in hepatocellular carcinoma.

  Yan B, Wei JJ, Qian YM, Zhao XL, Zhang WW, Xu AM, Zhang SH .

  Annals of Diagnostic Pathology 2011 Jun; 15(3):162.