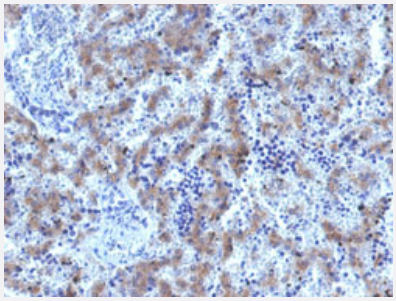
RecomAb™

# GPC3 recombinant monoclonal antibody, clone GPC3/1534R

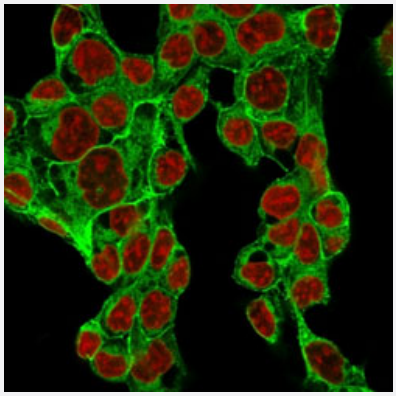
Catalog # RAB00705 Size 100 ug

## Applications



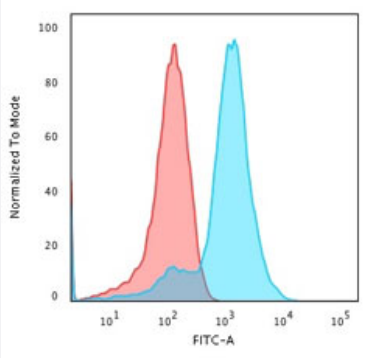
### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human fetal liver.



### Immunofluorescence

Immunofluorescence staining of MeOH-fixed Human HepG2 cells labeling Glypican-3. This antibody followed by Goat anti-rabbit IgG-CF488 (Green). The nuclear counterstain is Reddot (Red).




### Flow Cytometry

Flow cytometric analysis of MeOH-fixed HepG2 cells. This antibody followed by goat anti-rabbit IgG-CF488 (Blue). Isotype Control (Red).

## Specification

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|---|---|
| **Product Description** | Rabbit recombinant monoclonal antibody raised against full length human GPC3. |
| **Antibody Species** | Rabbit |
| **Immunogen** | Recombinant protein corresponding to full-length human GPC3. |
| **Reactivity** | Human, Rat |
| **Form** | Liquid |
| **Purification** | Protein A purification |
| **Isotype** | IgG |
| **Recommend Usage** | Flow Cytometry (1-2 ug/million cells)<br>Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL)<br>Immunofluorescence (1-2 ug/mL)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In 1 mg/mL PBS |
| **Storage Instruction** | Store at -20 to -80°C.<br>Aliquot to avoid repeated freezing and thawing. |

## Applications

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

  Immunohistochemical staining of human fetal liver.

- ### Immunofluorescence

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- ### Flow Cytometry

  Flow cytometric analysis of MeOH-fixed HepG2 cells. This antibody followed by goat anti-rabbit IgG-CF488 (Blue). Isotype Control (Red).

## Gene Info — GPC3

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|---|---|
| **Entrez GeneID** | 2719 |
| **Protein Accession#** | P08729 |

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|---|---|
| **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 |

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