

# Anti-GPC3 recMAb™ Antibody

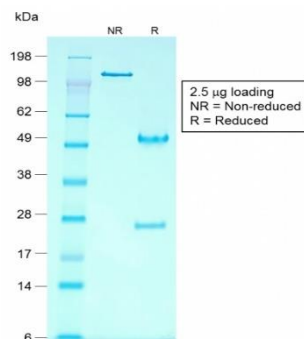
08/20

CATALOG NO.: A2190-100 (100 µg)

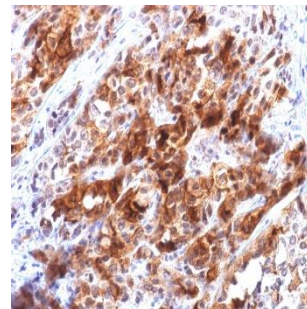
**BACKGROUND DESCRIPTION:** Cell-surface heparan sulfate proteoglycans are composed of a membrane-associated protein core substituted with a variable number of heparan sulfate chains. Members of the glypican-related integral membrane proteoglycan family (GRIPS) contain a core protein anchored to the 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.

<b>ALTERNATE NAMES:</b>	Glypican proteoglycan 3, Heparan sulphate proteoglycan, Intestinal protein OCI-5, Secreted glypican-3, SGB, DGSX, MXR7, SDYS, SGBS, OCI-5, SGBS1, GTR2-2
<b>ANTIBODY TYPE:</b>	Monoclonal
<b>CLONE:</b>	rGPC3/863
<b>CONCENTRATION:</b>	1 mg/ml
<b>HOST/ISOTYPE:</b>	Mouse / IgG1, kappa
<b>IMMUNOGEN:</b>	Recombinant full-length human GPC3 protein
<b>MOLECULAR WEIGHT:</b>	67 kDa
<b>PURIFICATION:</b>	Protein A/G purified
<b>FORM:</b>	Liquid
<b>FORMULATION:</b>	In 10 mM PBS
<b>SPECIES REACTIVITY:</b>	Human, Rat
<b>STORAGE CONDITIONS:</b>	Store at -20°C. Avoid freeze/thaw cycles
<b>APPLICATIONS AND USAGE:</b>	FC (1-2 µg/million cells), IF (1-2 µg/ml), IHC (1-2 µg/ml)

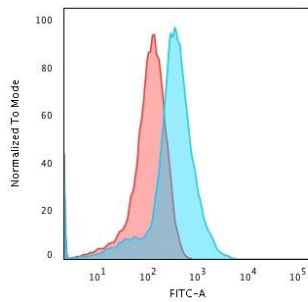
This information is only intended as a guide. The optimal dilutions must be determined by the user



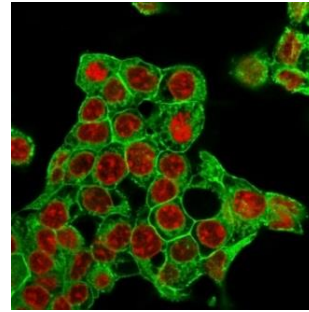
SDS-PAGE Analysis to confirm the purity and integrity of Anti-GPC3 recMAb™ antibody.



Immunohistochemical analysis of paraffin embedded formalin fixed human HCC using Anti-GPC3 recMAb™ antibody.



Flow cytometry analysis of methanol fixed HepG2 cells using Anti-GPC3 recMAb™ antibody. Secondary antibody used was CF488 conjugated Goat Anti-Mouse IgG antibody (Blue). Isotype control (Red).



Immunofluorescence analysis of methanol fixed HepG2 cells using Anti-GPC3 recMAb™ antibody. Secondary antibody used was CF488 conjugated Goat Anti-Mouse IgG antibody. Counterstain used was Reddot.

#### RELATED PRODUCTS:

FGF-1 Antibody (5034)  
YAP1 Antibody (3815)  
APP Antibody (CT) (5045)  
Wnt-1 Antibody (5754)

**FOR RESEARCH USE ONLY! Not to be used on humans.**