BT LAB
Bioassay Technology Laboratory
Optimize Your Research

GPC3 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA3128
Host	Mouse
Isotype	Mouse IgG1
Size	100μL, 50μL
Immunogen	Purified recombinant fragment of human GPC3 expressed in E. Coli.
Mol wt	65.5kDa
Species reactivity	Human,Mouse,Rat
Clonality	Monoclonal
Recommended application	WB,IHC,ICC,FCM
Concentration	N/A
Full name	N/A
Synonyms	SGB;DGSX;MXR7;SDYS;SGBS;OCI-5;SGBS1;GTR2-2

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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.

Recommended Dilution

WB: 1:500 - 1:2000

IHC-p: 1:200 - 1:1000

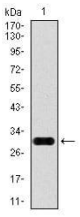
ICC: 1:200 - 1:1000

FCM: 1:200 - 1:400

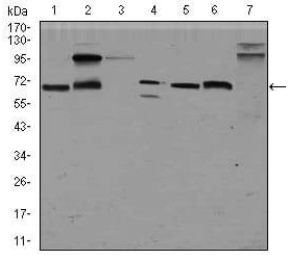
ELISA: 1:10000

Not yet tested in other applications.

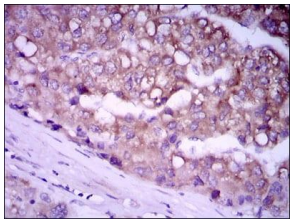
Images



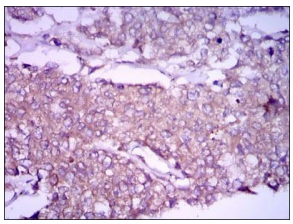
Western blot analysis using GPC3 mAb against human GPC3 (AA: 55-200) recombinant protein. (Expected MW is 28.5 kDa)



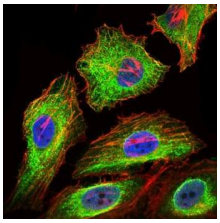
Western blot analysis using GPC3 mouse mAb against HepG2 (1), HEK293 (2), Jurkat (3), SK-N-SH (4), PC-12 (5), F9 (6)and Mouse liver (7) cell lysate.



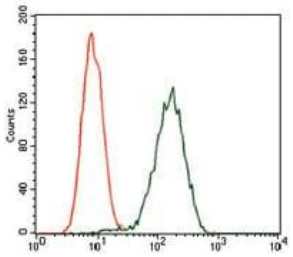
Immunohistochemical analysis of paraffin-embedded liver cancer tissues using GPC3 mouse mAb with DAB staining.



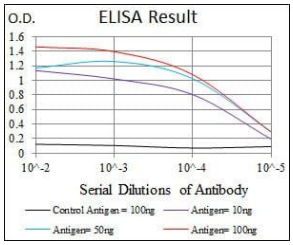
Immunohistochemical analysis of paraffin-embedded breast cancer tissues using GPC3 mouse mAb with DAB staining.



Immunofluorescence analysis of HeLa cells using GPC3 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of Jurkat cells using GPC3 mouse mAb (green) and negative control (red).



Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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