

## GPC3 Monoclonal Antibody

### Description

<b>Product type</b>	Antibody
<b>Code</b>	BT-MCA2709
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1
<b>Size</b>	100µL, 50µL
<b>Immunogen</b>	Purified recombinant fragment of human GPC3 (AA: 359-554) expressed in E. Coli.
<b>Mol wt</b>	65.5kDa
<b>Species reactivity</b>	Others
<b>Clonality</b>	Monoclonal
<b>Recommended application</b>	WB,FCM
<b>Concentration</b>	N/A
<b>Full name</b>	N/A
<b>Synonyms</b>	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 dysmorphism syndrome. Alternative splicing results in multiple transcript variants.

### Recommended Dilution

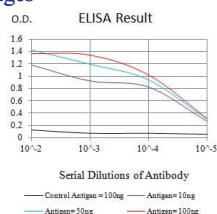
WB: 1:500 - 1:2000

FCM: 1:200 - 1:400

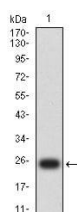
ELISA: 1:10000

Not yet tested in other applications.

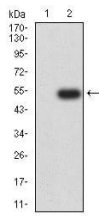
### Images



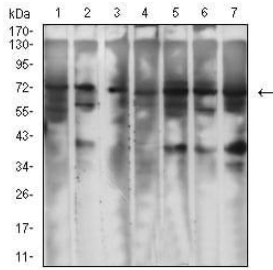
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



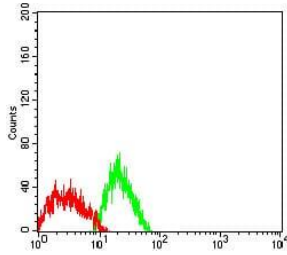
Western blot analysis using GPC3 mAb against human GPC3 (AA: 359-554) recombinant protein.  
(Expected MW is 25 kDa)



Western blot analysis using GPC3 mAb against HEK293 (1) and GPC3 (AA: 359-554)-hIgGFc transfected HEK293 (2) cell lysate.



Western blot analysis using GPC3 mouse mAb against SW480 (1), HCT116 (2), SH-SY5Y (3), HepG2 (4), PC-12 (5), HEK293 (6), and Hela (7) cell lysate.



Flow cytometric analysis of SK-N-SH cells using GPC3 mouse mAb (green) and negative control (red).

### Storage

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

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: [save@bt-laboratory.com](mailto:save@bt-laboratory.com) | [www.bt-laboratory.com](http://www.bt-laboratory.com)