

## Anti-GPC3 Antibody

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### 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.

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|---------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Model</b>              | STJ114261                                                                                                          |
| <b>Host</b>               | Rabbit                                                                                                             |
| <b>Reactivity</b>         | Human, Mouse                                                                                                       |
| <b>Applications</b>       | WB                                                                                                                 |
| <b>Immunogen</b>          | Recombinant fusion protein containing a sequence corresponding to amino acids 290-550 of human GPC3 (NP_004475.1). |
| <b>Gene ID</b>            | <a href="#">2719</a>                                                                                               |
| <b>Gene Symbol</b>        | <a href="#">GPC3</a>                                                                                               |
| <b>Dilution range</b>     | WB 1:500 - 1:2000                                                                                                  |
| <b>Tissue Specificity</b> | Highly expressed in lung, liver and kidney                                                                         |
| <b>Purification</b>       | Affinity purification                                                                                              |
| <b>Note</b>               | For Research Use Only (RUO).                                                                                       |

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|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Name</b>          | Glypican-3 GTR2-2 Intestinal protein OCI-5 MXR7                                                                                                                                                                                                                                                                                                                                 |
| <b>Molecular Weight</b>      | 65.563 kDa                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Clonality</b>             | Polyclonal                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Conjugation</b>           | Unconjugated                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Isotype</b>               | IgG                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Formulation</b>           | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                                                                                                                                                                                                                                                                                               |
| <b>Storage Instruction</b>   | Store at -20C. Avoid freeze / thaw cycles.                                                                                                                                                                                                                                                                                                                                      |
| <b>Database Links</b>        | <a href="#">HGNC:4451OMIM:300037Reactome:R-HSA-1971475</a>                                                                                                                                                                                                                                                                                                                      |
| <b>Alternative Names</b>     | Glypican-3 GTR2-2 Intestinal protein OCI-5 MXR7                                                                                                                                                                                                                                                                                                                                 |
| <b>Function</b>              | Cell surface proteoglycan that bears heparan sulfate, Inhibits the dipeptidyl peptidase activity of DPP4, May be involved in the suppression/modulation of growth in the predominantly mesodermal tissues and organs, May play a role in the modulation of IGF2 interactions with its receptor and thereby modulate its function, May regulate growth and tumor predisposition, |
| <b>Cellular Localization</b> | Cell membrane                                                                                                                                                                                                                                                                                                                                                                   |

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**St John's Laboratory Ltd**

**F** +44 (0)207 681 2580  
**T** +44 (0)208 223 3081

**W** <http://www.stjohnslabs.com/>  
**E** [info@stjohnslabs.com](mailto:info@stjohnslabs.com)