Anti-GPC3 Antibody

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.

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

Protein Name	Glypican-3 GTR2-2 Intestinal protein OCI-5 MXR7
Molecular Weight	65.563 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:4451OMIM:300037Reactome:R-HSA-1971475
Alternative Names	Glypican-3 GTR2-2 Intestinal protein OCI-5 MXR7
Function	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,
Cellular Localization	Cell membrane

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