

Product datasheet for **AM06776PU-N**

Glypican 3 (GPC3) Mouse Monoclonal Antibody [Clone ID: 9C2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	9C2
Applications:	ELISA, FC, IF, IHC, WB
Recommended Dilution:	ELISA: 1/10000. Western Blot: 1/500 - 1/2000. Flow Cytometry: 1/200 - 1/400. Immunofluorescence: 1/200 - 1/1000. Immunohistochemistry on Paraffin Sections: 1/200 - 1/1000.
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of Human GPC3 expressed in E. Coli.
Specificity:	Recognizes Glypican-3 / GPC3.
Formulation:	PBS State: Purified State: Liquid purified IgG fraction Stabilizer: 0.5% protein Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	65.5 kDa
Gene Name:	glypican 3
Database Link:	Entrez Gene 2719 Human P51654



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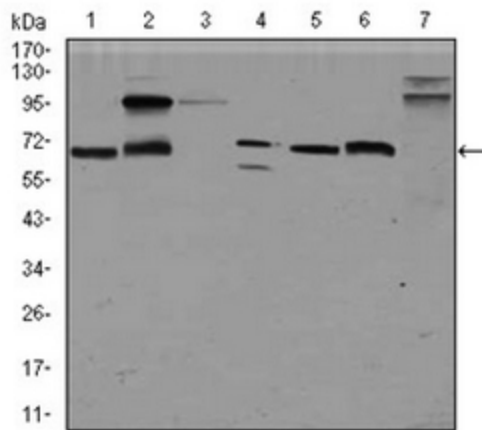
Background:

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.

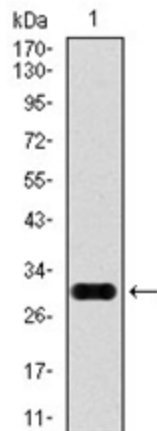
Synonyms:

Intestinal protein OCI-5, GTR2-2, MXR7, OCI5

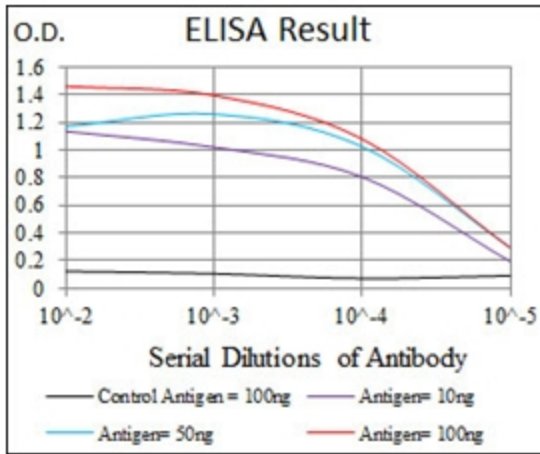
Product images:



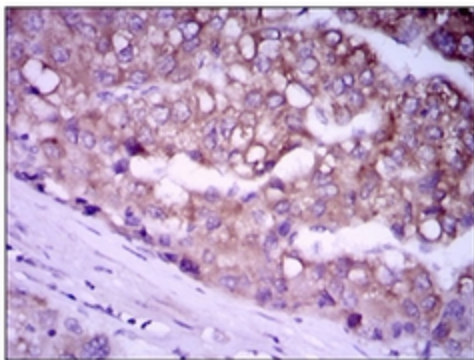
Western blot analysis using GPC3 antibody against HepG2 (Lane 1), HEK293 (Lane 2), Jurkat (Lane 3), SK-N-SH (Lane 4), PC-12 (Lane 5), F9 (Lane 6) and Mouse liver (Lane 7) cell lysate.



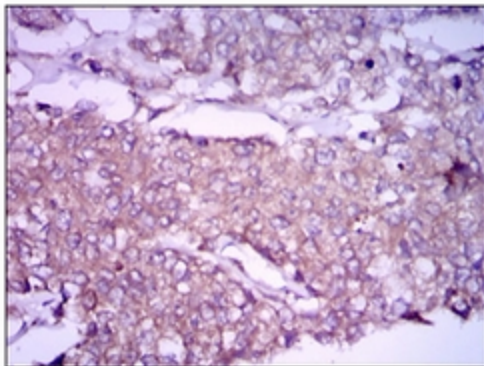
Western blot analysis using GPC3 Lane against Human GPC3 (AA: 55-200) recombinant protein. (Expected MW is 28.5 kDa)



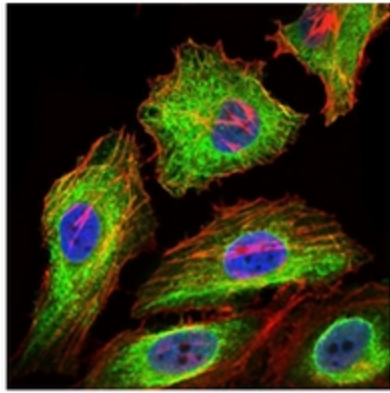
Red: Control Antigen (100ng) Purple: Antigen (10ng) Green: Antigen (50ng) Blue: Antigen (100ng)



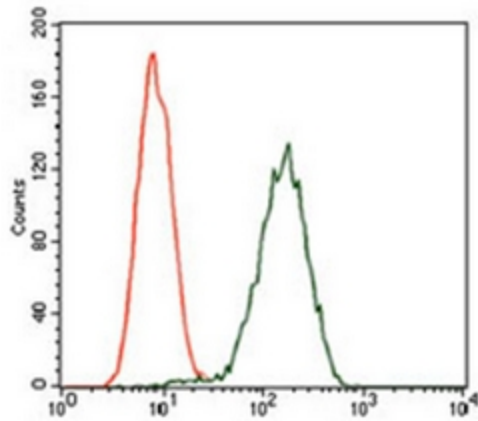
Immunohistochemical analysis of paraffin-embedded liver cancer tissues using GPC3 antibody with DAB staining.



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



Immunofluorescence analysis of HeLa cells using GPC3 antibody (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 antibody (green) and negative control (red).