

Anti-GPC1(Glypican-1) Polyclonal Antibody

Cat. #: 60B671

Description:

GPC1(Glypican-1) is a cell surface proteoglycan that bears heparan sulfate. The protein is attached to the membrane by a GPI-anchor. This cell-associated glypican is further processed to give rise to a medium-released species. The glypican-1 is required for efficient TGF-beta1 signaling in pancreatic cancer cells. The syndecan-1 and glypican-1 have roles in progression of ovarian cancer.

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.

Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to C-terminal residues of human GPC1(Glypican-1 precursor)

References

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Li,J., et al, Biochem. Biophys. Res. Commun. 320 (4), 1148-1155 (2004)
Davies,E.J., et al, Clin. Cancer Res. 10 (15), 5178-5186 (2004)
Belting,M., et al, J. Biol. Chem. 278 (47), 47181-47189 (2003)
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Ronca,F., et al, J. Biol. Chem. 276 (31), 29141-29147 (2001)
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Karumanchi,S.A., et al,

Clone Number:

Isotype:

Species: human, mouse

Storage and Stability: at -20oC

Storage buffer:

This antibody is stored in PBS, 0.01% sodium azide and 50% glycerol.

Preparation:

Purified by antigen-specific affinity chromatography.

Applications :

ELISA

Western Blotting (1µg/ml for 2hrs)