

## 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

David, G., et al, J. Cell Biol. 111 (6 PT 2), 3165-3176 (1990)  
Su, G., et al, Am. J. Pathol. 168 (6), 2014-2026 (2006)  
Polityko, A., et al, Int. J. Mol. Med. 14 (6), 977-979 (2004)  
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)  
Ding, K., et al, J. Biol. Chem. 277 (36), 33353-33360 (2002)  
Alvarez, K., et al, J. Cell. Biochem. 85 (4), 703-713 (2002)  
Ronca, F., et al, J. Biol. Chem. 276 (31), 29141-29147 (2001)  
Matsuda, K., et al, Cancer Res. 61 (14), 5562-5569 (2001)  
Karumanchi, S.A., et al,

Clone Number:

Isotype:

Species: human, mouse

Storage and Stability: at -20°C

### 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 (1 µg/ml for 2 hrs)