

For Research Use Only

Glypican 3 Polyclonal antibody

Catalog Number: 11145-1-AP **4 Publications**



Basic Information

Catalog Number: 11145-1-AP	GenBank Accession Number: BC035972	Purification Method: Antigen affinity purification
Size: 300 µg/ml	GeneID (NCBI): 2719	
Source: Rabbit	UNIPROT ID: P51654	
Isotype: IgG	Full Name: glypican 3	
Immunogen Catalog Number: AG1433	Calculated MW: 580 aa, 66 kDa	
	Observed MW: 66 kDa	

Applications

Tested Applications:
ELISA

Cited Applications:
WB

Species Specificity:
human, mouse, rat

Cited Species:
human, rat

Background Information

Glypicans (GPCs) are a family of glycosylphosphatidylinositol (GPI)-anchored heparan sulphate proteoglycans (HSPGs) that may play a role in the control of cell division and growth regulation. In mammals, there are six GPCs (GPC 1 to GPC 6), all of which have a similar core-protein size of approx. 60 kDa and the clustering of glycosaminoglycan attachment site near the C-terminus. They are tethered to the cell surface by GPI linkages, which can be cleaved by endogenous phospholipases, thus releasing the protein. Glypican 3 (GPC3) is highly expressed in many tissues during development and plays an important role in the regulation of embryonic growth (PMID: 22467855). Loss-of-function mutations of GPC3 result in the Simpson-Golabi-Behmel overgrowth syndrome (SGBS), and Gpc-3 null mice display developmental overgrowth (PMID: 8589713; 18477453). In hepatocellular carcinoma (HCC), the overexpression of GPC3 has been demonstrated to be a reliable diagnostic indicator (PMID: 19212669; 22706665).

Notable Publications

Author	Pubmed ID	Journal	Application
Xin-Hui Qi	25270552	Mol Med Rep	WB
Yanqiu Wang	31546235	Aging (Albany NY)	WB
Zhenyu Wang	29073605	Cell Physiol Biochem	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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Selected Validation Data