

For Research Use Only

Glypican 3 Recombinant monoclonal antibody, PBS Only

Catalog Number: 86694-1-PBS



Basic Information

Catalog Number:	86694-1-PBS	GenBank Accession Number:	BC035972	Purification Method:
Source:	Rabbit	GenID (NCBI):	2719	CloneNo.:
Isotype:	IgG	UNIPROT ID:	P51654	251469D8
		Full Name:	glypican 3	
		Calculated MW:	580 aa, 66 kDa	
		Observed MW:	66-70 kDa	

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

Background Information

Glycans (GPCs) are a family of glycosylphosphatidylinositol (GPI)-anchored heparan sulfate proteoglycans (HSPGs) that may play a role in the control of cell division and growth regulation. In mammals, there are six GPCs (GPC1 to GPC6), 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 glypican 3 has been demonstrated to be a reliable diagnostic indicator (PMID: 19212669; 22706665). The calculated molecular weight of native glypican 3 is 66 kDa, and glycinate forms of glypican 3 have higher molecular weights than 66 kDa (PMID: 12851874; 16024626; 19574424).

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:

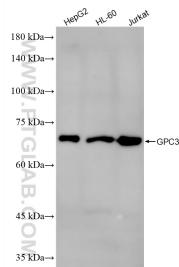
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E: Proteintech-CN@ptglab.com

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86694-1-RR (GPC3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86694-1-PBS in a different storage buffer formulation.