Glypican 3
Polyclonal ANTIBODY
Catalog Number: 11145-1-AP

Basic Information
Catalog Number: 11145-1-AP
Size: 45 μg/150 μl
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification
Immunogen Catalog Number: AG1433

GenBank Accession Number: BC035972
GeneID (NCBI): 2719
Full Name: Glypican 3
Calculated MW: 580aa, 66 kDa
Observed MW: 66 kDa

Recommended Dilutions:

Applications
Tested Applications: ELISA
Cited Applications: WB
Species Specificity: human, mouse, rat

Cited Species: rat

Note: suggested antigen retrieval with TE buffer pH 9.0; (* ) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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 (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 GPC3 has been demonstrated to be a reliable diagnostic indicator (PMID: 15212699; 22706905).

Notable Publications
<table>
<thead>
<tr>
<th>Author</th>
<th>Pubmed ID</th>
<th>Journal</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xin-Hui Qi</td>
<td>25270552</td>
<td>Mol Med Rep</td>
<td>WB</td>
</tr>
<tr>
<td>Zhenyu Wang</td>
<td>26073605</td>
<td>Cell Physiol Biochem</td>
<td>WB</td>
</tr>
</tbody>
</table>

Storage
Store at -20ºC. Stable for one year after shipment.
Storage Buffer: PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20ºC storage.

For technical support and original validation data for this product please contact:
T 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or (312) 455-8498 (outside USA)
E proteintech@ptglab.com
W ptglab.com

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