

## Glypican-3 rabbit pAb

**Cat#: orb766811 (Manual)**

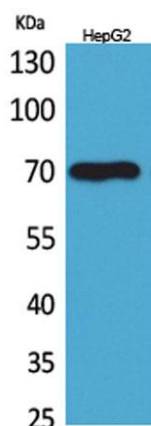
For research use only. Not intended for diagnostic use.

<b>Product Name</b>	Glypican-3 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from the Internal region of human GPC3. AA range:461-510
<b>Specificity</b>	Glypican-3 Polyclonal Antibody detects endogenous levels of Glypican-3 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Glypican-3
<b>Gene Name</b>	GPC3
<b>Cellular localization</b>	Cell membrane ; Lipid-anchor, GPI-anchor ; Extracellular side .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

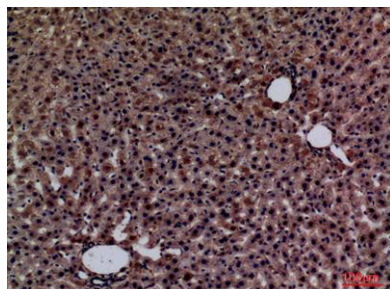
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	70kD
<b>Human Gene ID</b>	2719
<b>Human Swiss-Prot Number</b>	P51654
<b>Alternative Names</b>	GPC3; OCI5; Glypican-3; GTR2-2; Intestinal protein OCI-5; MXR7

### Background

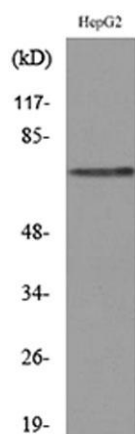
Cell surface heparan sulfate proteoglycans are composed of a membrane-associated protein core substituted with a variable number of heparan sulfate chains. Members of the glypican-related integral membrane proteoglycan family (GRIPS) contain a core protein anchored to the cytoplasmic membrane via a glycosyl phosphatidylinositol linkage. These proteins may play a role in the control of cell division and growth regulation. The protein encoded by this gene can bind to and inhibit the dipeptidyl peptidase activity of CD26, and it can induce apoptosis in certain cell types. Deletion mutations in this gene are associated with Simpson-Golabi-Behmel syndrome, also known as Simpson dysmorphia syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2009],



**Western Blot analysis of HepG2 cells using Glypican-3 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000**



**Immunohistochemical analysis of paraffin-embedded rat-liver, antibody was diluted at 1:100**



**Western blot analysis of lysate from HepG2 cells, using GPC3 Antibody.**