

Monoclonal Antibody to Glypican-3 / GPC3 (C-term) - Purified

Alternate names:	GTR2-2, Intestinal protein OCI-5, MXR7, OCI5
Catalog No.:	AM12128PU-S
Quantity:	0.1 ml
Background:	<p>Glypican-3 (GPC3) is a cell surface proteoglycan that bears heparan sulfate. It may be involved in the suppression/modulation of growth in the predominately mesodermal tissues and organs.</p> <p>Expression alteration of Glypican-3 (GPC3) is associated with several malignancies and has been identified as an overexpressed gene in hepatocellular carcinoma (HCC). Glypican-3 is a cell surface proteoglycan that bears heparan sulfate. It may be involved in the suppression/modulation of growth in the predominantly mesodermal tissues and organs.</p>
Uniprot ID:	P51654
NCBI:	NP_004475
GenID:	2719
Host / Isotype:	Rabbit / IgG
Recommended Isotype Controls:	PP501P
Clone:	SP86
Immunogen:	A synthetic peptide derived from C-terminus of Human Glypican-3 protein
	Remarks: Epitope: C-terminus.
Format:	<p>State: Liquid purified IgG fraction</p> <p>Purification: Protein A/G Chromatography</p> <p>Buffer System: PBS, pH 7.6</p> <p>Preservatives: 0.09% Sodium Azide</p> <p>Stabilizers: 1% BSA</p>
Applications:	<p>Western Blot: 1/25 for 1h at RT. <i>Positive Control:</i> HEPG2 Cell lysate.</p> <p>FACS Analysis: 1/100. <i>Positive Control:</i> HEPG2 Cell Line.</p> <p>Immunohistochemistry on Paraffin Sections: 1/100. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min. Slides must be washed in between steps. Rinse slides with PBS/0.05% Tween. <i>Incubation Time:</i> 30 minutes at RT. <i>Positive Control:</i> Placenta, liver carcinoma.</p>

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

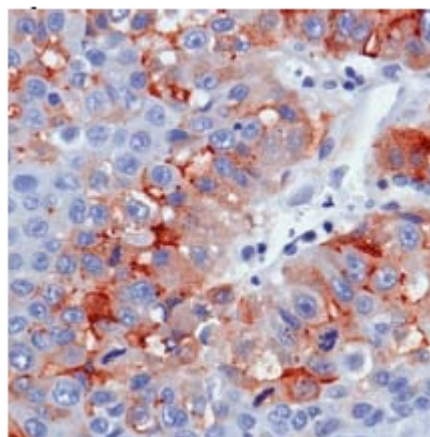
Molecular Weight: 64 kDa

Specificity: This antibody recognizes Glypican-3.
This antibody can be used to detect Glypican-3 in both normal and neoplastic tissue types.
This antibody should not be used to differentiate hepatocellular carcinoma (HCC) from either normal liver or other types of liver disease.
Cellular Localization: Cytoplasm.

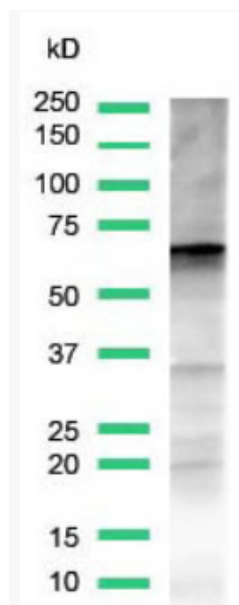
Species Reactivity: **Tested:** Human.

Storage: Store the antibody undiluted at 2-8°C.
DO NOT FREEZE!
Shelf life: one year from despatch.

Pictures: Human liver cancer stained with anti-Glypican-3 Antibody Cat.-No AM12128PU (Clone SP86).



Western Blot of HepG2 cell lysate with anti-Glypican-3 Antibody Cat.-No AM12128PU (Clone SP86).



Flow Cytometric analysis of Rabbit anti-Glypican-3 Antibody Cat.-No AM12128PU (Clone SP86) in HEPG2 (green) compare to negative control of rabbit IgG (blue).

