Immunoway
Best Tools for immunology Research

Glypican-3 Polyclonal Antibody

Catalog No :	YT5206
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	Glypican-3
Fields :	>>Proteoglycans in cancer
Gene Name :	GPC3
Protein Name :	Glypican-3
Human Gene Id :	2719
Human Swiss Prot No :	P51654
Mouse Gene Id :	14734
Mouse Swiss Prot No :	Q8CFZ4
Rat Gene Id :	25236
Rat Swiss Prot No :	P13265
Immunogen :	The antiserum was produced against synthesized peptide derived from the Internal region of human GPC3. AA range:461-510
Specificity :	Glypican-3 Polyclonal Antibody detects endogenous levels of Glypican-3 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC: 1:100-300 ELISA: 1:20000.. IF 1:50-200

Purification : The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 70kD

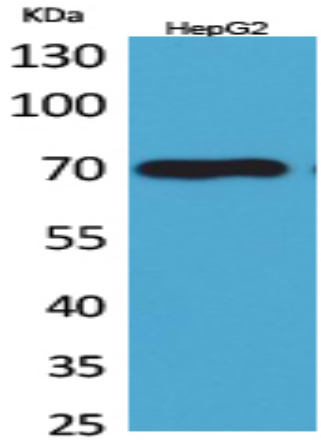
Background : Cell surface heparan sulfate proteoglycans are composed of a membrane-associated protein core substituted with a variable number of heparan sulfate chains. Members of the glypican-related integral membrane proteoglycan family (GRIPS) contain a core protein anchored to the cytoplasmic membrane 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],

Function : disease:Defects in GPC3 are the cause of Simpson-Golabi-Behmel syndrome (SGBS) [MIM:312870]; also known as Simpson dysmorphia syndrome (SDYS). SGBS is a condition characterized by pre- and postnatal overgrowth (gigantism) with visceral and skeletal anomalies.,function:Cell surface proteoglycan that bears heparan sulfate.,function:Cell surface proteoglycan that bears heparan sulfate. May be involved in the suppression/modulation of growth in the predominantly mesodermal tissues and organs. May play a role in the modulation of IGF2 interactions with its receptor and thereby modulate its function. May regulate growth and tumor predisposition.,similarity:Belongs to the glypican family.,tissue specificity:Highly expressed in lung, liver and kidney.,

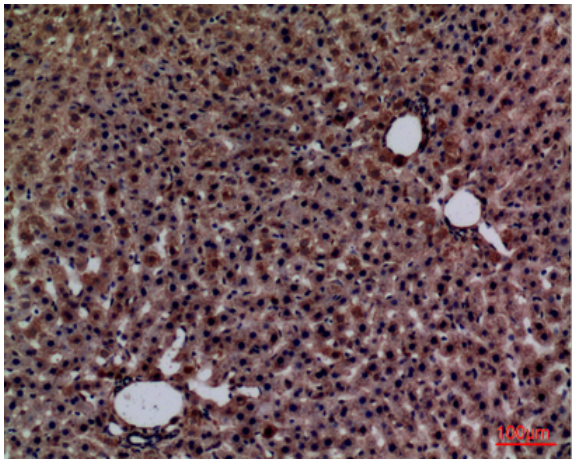
Subcellular Location : Cell membrane ; Lipid-anchor, GPI-anchor ; Extracellular side .

Expression : Highly expressed in lung, liver and kidney.

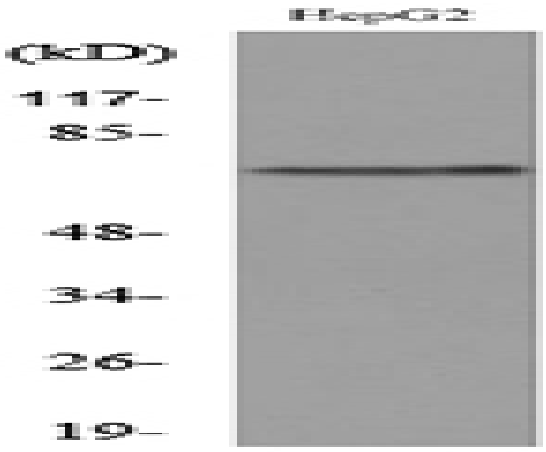
Products Images



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.