

**Glypican-3 (ABT068) mouse mAb**

|                              |   |
|------------------------------|---|
| <b>Catalog No :</b>          | YM4886  |
| <b>Reactivity :</b>          | Human;  |
| <b>Applications :</b>        | IHC;WB;IF;ELISA   |
| <b>Target :</b>              | Glypican-3  |
| <b>Fields :</b>              | >>Proteoglycans in cancer   |
| <b>Gene Name :</b>           | GPC3 OCI5   |
| <b>Protein Name :</b>        | Glypican-3(GPC3)  |
| <b>Human Gene Id :</b>       | 2719  |
| <b>Human Swiss Prot No :</b> | P51654  |
| <b>Immunogen :</b>           | Synthesized peptide derived from human Glypican-3(GPC3) AA range: 400-500   |
| <b>Specificity :</b>         | The antibody can specifically recognize human Glypican-3 protein.           |
| <b>Formulation :</b>         | PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA                              |
| <b>Source :</b>              | Mouse, Monoclonal/IgG1, kappa   |
| <b>Dilution :</b>            | IHC 1:200-1000. WB 1:500-2000. IF 1:100-500. ELISA 1:1000-5000              |
| <b>Purification :</b>        | Protein G   |
| <b>Storage Stability :</b>   | -15°C to -25°C/1 year(Do not lower than -25°C)                              |
| <b>Molecularweight :</b>     | 66kD  |
| <b>Observed Band :</b>       | 66kD, 58kD, 22kD  |
| <b>Background :</b>          | Glypican 3 is a carcinoembryonic protein and belongs to the heparan sulfate |

polysaccharide family. It is mainly expressed in fetal liver, kidney and trophoblast, but not in other normal tissues. Glypican 3 is a sensitive and specific marker of hepatocellular carcinoma. Its expression is related to differentiation. The lower the degree of differentiation, the higher the expression. It is highly expressed in ovarian yolk sac tumor, choriocarcinoma and melanoma.

### 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.,

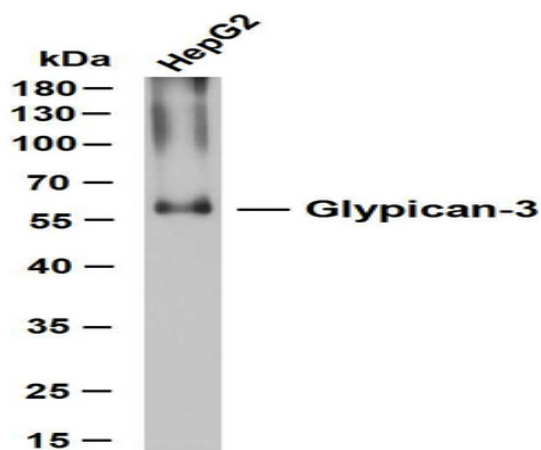
### Subcellular Location :

Cytoplasmic

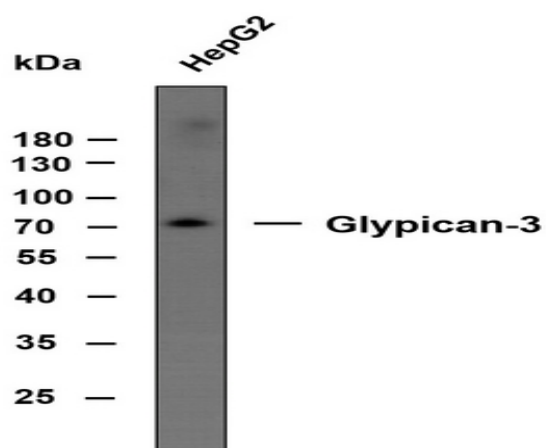
### Expression :

Highly expressed in lung, liver and kidney.

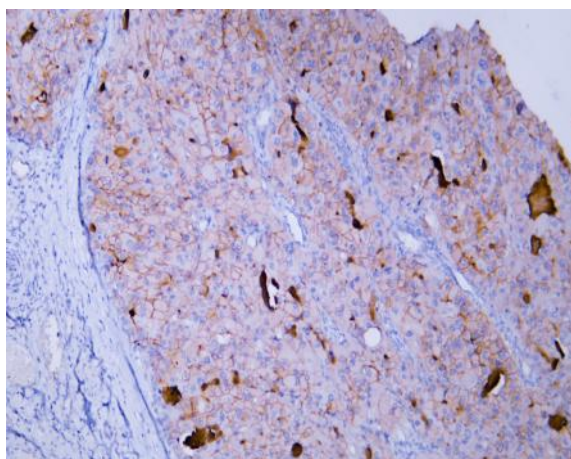
## Products Images



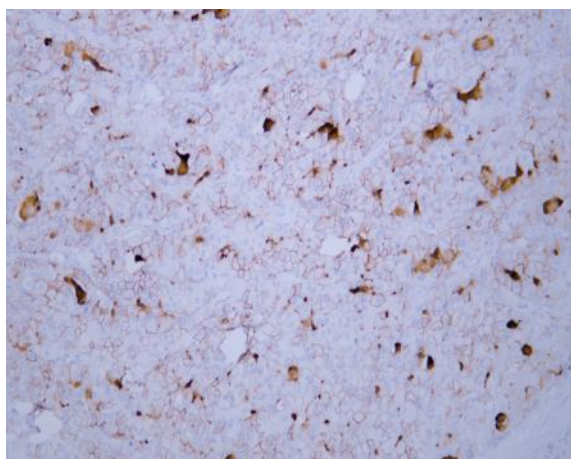
HepG2 whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-Glypican-3(ABT068) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: HepG2



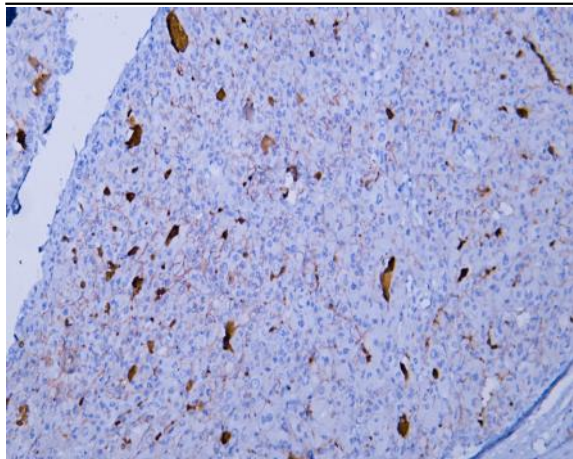
Whole cell lysates of HepG2 were separated by 10% SDS-PAGE, and the membrane was blotted with anti-Glypican-3 antibody. The HRP-conjugated anti-Mouse IgG antibody was used to detect the antibody.



Human hepatocellular carcinoma tissue was stained with Anti-Glypican-3 (ABT068) Antibody



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