**Catalog: OM638922**

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# GPC1

Catalog: OM638922

☐ 100 µl

## Product profile

| | |
|---|---|
| **Product name** | GPC1 |
| **Antibody Type** | Primary Antibodies |
| **Product description** | Glypican-1 (GPC1), a member of the glycosylphosphatidilinositol anchored cell surface heparan sulfate proteoglycans, is involved with cell adhesion and migration, lipoprotein metabolism, modulation of growth factor activites and anticoagulation. Glypican-1 binds to and modulates the activity of several fibroblast growth factors (FGFs) including FGF-1, FGF-2 and FGF-7. Glypican-1 acts as an extracellular chaperone for VEGF165 to help restore receptor binding ability after oxidation. The heparan sulfate chains of glypican-1 mediate specific binding of glypican-1 to VEGF165. When present on the surface of marrow stromal cells, glypican-1 may aid in the maintenance and development of hematopoietic stem and progenitor cells. Human pancreatic cancer cells express a large amount of glypican-1 when compared to glypican-1 levels in normal pancreatic cells. Glypican-1 may play an important role in the response of pancreatic cancer cells to mitogenic stimuli, such as FGF-2. The gene encoding human glypican-1 maps to chromosome 2q37.3. |
| **Immunogen** | Peptide |

## Key Feature

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|---|---|
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host Species** | Rabbit |
| **Tested Applications** | WB ,ICC ,IHC ,FC |
| **Species Reactivity** | Human |
| **Concentration** | 1 mg/mL. |

## Target Information

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| **Alternative Names** | FLJ38078 antibody glypican antibody Glypican proteoglycan 1 antibody glypican1 antibody GPC 1 antibody Gpc1 antibody GPC1_HUMAN antibody Secreted glypican-1 antibody |
| **Molecular Weight(MW)** | 61 kDa |
| **Cellular Localization** | Membrane, Secreted |

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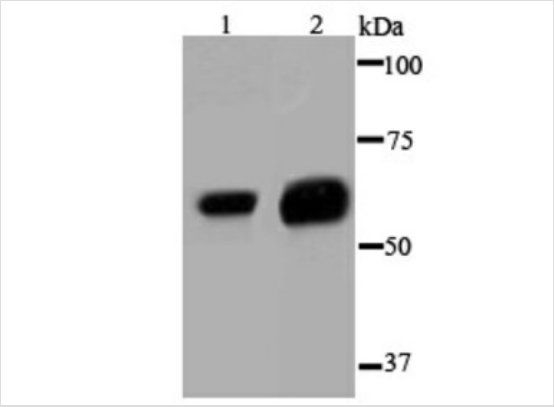
|---|---|
| **Cellular Localization** | Membrane. Secreted. |

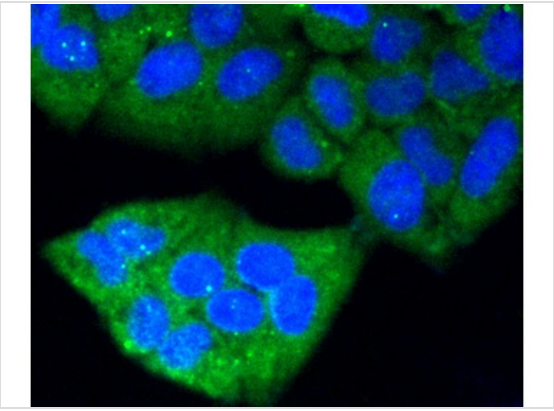
## Database Links

| | |
|---|---|
| **SwissProt ID** | P35052 |

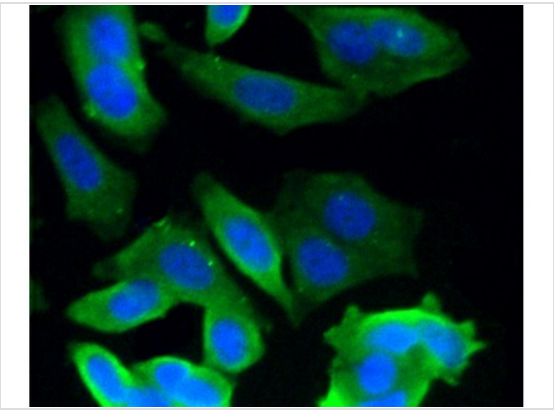
## Application



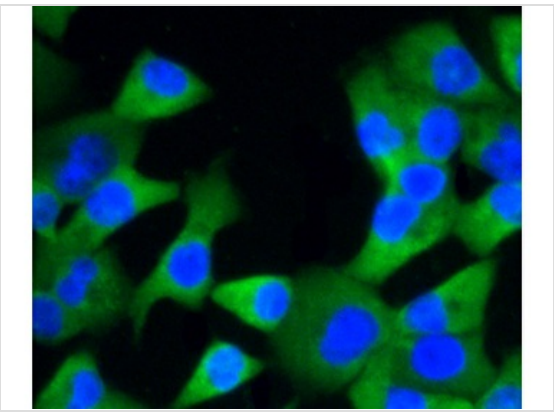

**Application**
Fig1: Western blot analysis of Glypican-1 on different cell lysate using anti-Glypican-1 antibody at 1/1,000 dilution. Positive control Lane1: Hela Lane2: SK-Br-3



**Application**
Fig2: ICC staining Glypican-1 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



**Application**
Fig3: ICC staining Glypican-1 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



**Application**
Fig4: ICC staining Glypican-1 in PANC-1 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

**Application**

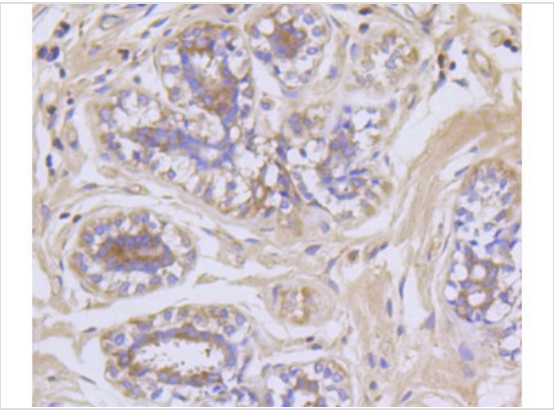
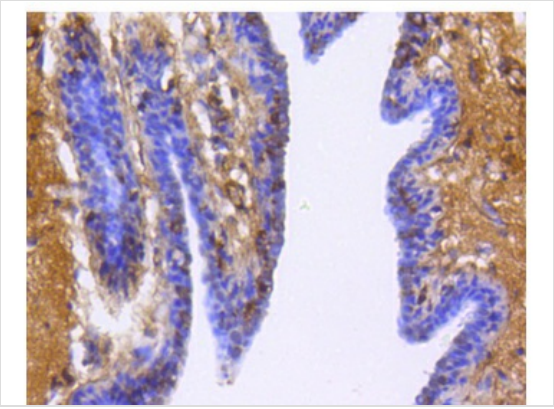
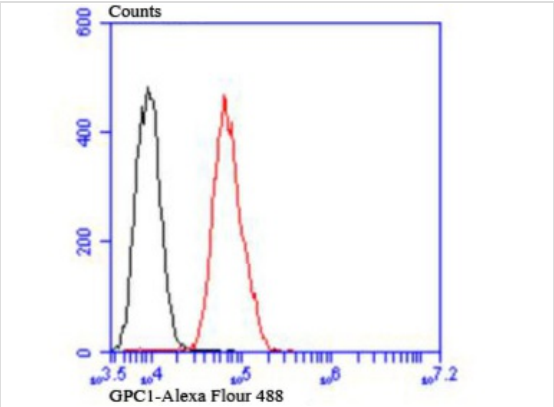


Fig5: Immunohistochemical analysis of paraffin-embedded human breast tissue using anti- Glypican-1 antibody. Counter stained with hematoxylin.



**Application**

Fig6: Immunohistochemical analysis of paraffin-embedded human breast cancer tissue using anti- Glypican-1 antibody. Counter stained with hematoxylin.




**Application**

Fig7: Flow cytometric analysis of MCF-7 cells with Glypican-1 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).

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| **Positive Control** | Hela, SK-Br-3, MCF-7, PANC-1, human breast tissue, human breast cancer tissue. |
| **Application Notes** | **WB**:1:500-1:1,000<br>**ICC**:1:50-1:200<br>**IHC**:1:50-1:200<br>**FC**:1:50-1:100 |

## Additional Information

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| **Form** | Liquid |
| **Storage Instructions** | Store at +4℃after thawing. Aliquot store at -20℃or -80℃. Avoid repeated freeze / thaw cycles. |
| **Storage Buffer** | 1*TBS (pH7.4), 0.5%BSA, 50%Glycerol. Preservative: 0.05% Sodium Azide. |
| **Note** | The product is for research use only,not for use in diagnostic or therapeutic procedures. |

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