

**Anti-GPC1 / Glypican-1 Reference Antibody (Minomic patent anti-Glypican 1)  
Recombinant Antibody  
Catalog # APR10921**

**Specification**

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**Anti-GPC1 / Glypican-1 Reference Antibody (Minomic patent anti-Glypican 1) - Product Information**

Application	FC, E, FTA
Primary Accession	<a href="#">P35052</a>
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	150 KDa

**Anti-GPC1 / Glypican-1 Reference Antibody (Minomic patent anti-Glypican 1) - Additional Information**

**Target/Specificity**  
GPC1 / Glypican-1

**Endotoxin**  
< 0.001EU/ µg,determined by LAL method.

**Conjugation**  
Unconjugated

**Expression system**  
CHO Cell

**Format**  
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

**Anti-GPC1 / Glypican-1 Reference Antibody (Minomic patent anti-Glypican 1) - Protein Information**

**Name** GPC1

**Function**  
Cell surface proteoglycan that bears heparan sulfate. Binds, via the heparan sulfate side chains, alpha-4 (V) collagen and participates in Schwann cell myelination (By similarity). May act as a catalyst in increasing the rate of conversion of prion protein PRPN(C) to PRNP(Sc) via associating (via the heparan sulfate side chains) with both forms of PRPN, targeting them to lipid rafts and facilitating their interaction. Required for proper skeletal muscle differentiation by sequestering FGF2 in lipid rafts preventing its binding to receptors (FGFRs) and inhibiting the FGF-mediated signaling.

**Cellular Location**

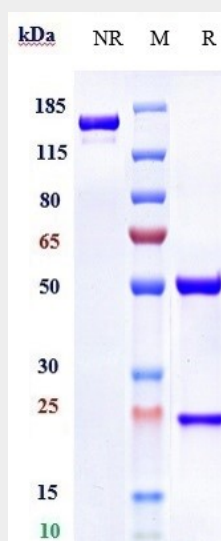
Cell membrane; Lipid-anchor, GPI-anchor; Extracellular side. Endosome. Note=S-nitrosylated form recycled in endosomes. Localizes to CAV1-containing vesicles close to the cell surface. Cleavage of heparan sulfate side chains takes place mainly in late endosomes. Associates with both forms of PRNP in lipid rafts Colocalizes with APP in perinuclear compartments and with CP in intracellular compartments. Associates with fibrillar APP amyloid-beta peptides in lipid rafts in Alzheimer disease brains

### Anti-GPC1 / Glypican-1 Reference Antibody (Minomic patent anti-Glypican 1) - Protocols

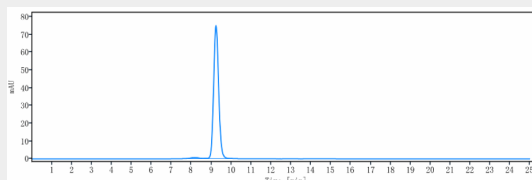
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Anti-GPC1 / Glypican-1 Reference Antibody (Minomic patent anti-Glypican 1) - Images



Anti-GPC1 / Glypican-1 Reference Antibody (Minomic patent anti-Glypican 1) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-GPC1 / Glypican-1 Reference Antibody (Minomic patent anti-Glypican 1) is more than 95% ,determined by SEC-HPLC.