

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

Recombinant Antibody Catalog # APR10921

Specification

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

Application FC, Kinetics, Animal Model

Primary Accession
Reactivity
Human
Clonality
Monoclonal
Isotype
Calculated MW
P35052
Human
Monoclonal
IgG1
T50 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



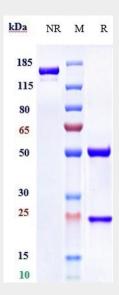
Cell membrane; Lipid-anchor, GPI-anchor; Extracellular side. Endosome. Note=S-nitrosylated form recycled in endosomes. Localizes to CAV1-containing vesicles close to the cell surface. Cleavage of heparan sulfate side chains takes place mainly in late endosomes. Associates with both forms of PRNP in lipid 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

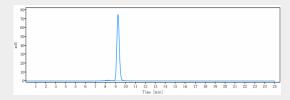
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- 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.