

Goat anti-Glypican-1 Antibody
Peptide-affinity purified goat antibody
Catalog # AF4440a**Specification**

Goat anti-Glypican-1 Antibody - Product Information

Application	WB, Pep-ELISA
Primary Accession	P35052
Other Accession	NP_002072.2
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Calculated MW	61680

Goat anti-Glypican-1 Antibody - Additional Information**Gene ID** 2817**Other Names**

GPC1; glypican 1; glypican; glypican proteoglycan 1; glypican-1

Dilution

WB~~1:1000

Pep-ELISA~~N/A

Format

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat anti-Glypican-1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat anti-Glypican-1 Antibody - 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

Goat anti-Glypican-1 Antibody - 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](#)

Goat anti-Glypican-1 Antibody - Images