

Goat anti-Glypican-1 Antibody

Peptide-affinity purified goat antibody

Catalog # AF4440a

Product Information

Application	WB, Pep-ELISA
Primary Accession	P35052
Other Accession	NP_002072.2
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Clone Names	GPC1
Calculated MW	61680

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.

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. Cell membrane; Lipid-anchor, GPI-anchor; Extracellular side. Endosome.

Cellular Location

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.