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Datasheet for ABIN7154265
anti-GPC1 antibody (AA 342-530) (Biotin)

Overview

Quantity:	100 µg
Target:	GPC1
Binding Specificity:	AA 342-530
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GPC1 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Glypican-1 protein (342-530AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	GPC1
Alternative Name:	GPC1 (GPC1 Products)
Background:	Background: 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

Target Details

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.

Aliases: FLJ38078 antibody, glypican antibody, Glypican proteoglycan 1 antibody, glypican1 antibody, GPC 1 antibody, Gpc1 antibody, GPC1_HUMAN antibody, Secreted glypican-1 antibody

UniProt: [P35052](#)

Pathways: [Glycosaminoglycan Metabolic Process](#), [Regulation of Muscle Cell Differentiation](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.