

Datasheet for ABIN6981316

anti-GPC1 antibody (AA 251-350) (AbBy Fluor® 680)



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Overview

Quantity:	100 µL
Target:	GPC1
Binding Specificity:	AA 251-350
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GPC1 antibody is conjugated to AbBy Fluor® 680
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse Glypican 1
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Mouse,Dog,Cow,Sheep,Horse
Purification:	Purified by Protein A.

Target Details

Target:	GPC1
Alternative Name:	Glypican 1 (GPC1 Products)

Target Details

Background:	Synonyms: FLJ38078, glypican, glypican1, GPC 1, Glypican-1, GPC1, Glypican proteoglycan 1, Gpc1, GPC1_HUMAN, Secreted glypican-1. 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 similarity). May act as a catalyst in increasing the rate of conversion of prion protein PRPN(C) to PRNP(Sc) via associating (via the heparin 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.
Gene ID:	14733
UniProt:	Q9QZF2
Pathways:	Glycosaminoglycan Metabolic Process , Regulation of Muscle Cell Differentiation

Application Details

Application Notes:	IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
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
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months