

Datasheet for ABIN740106

**anti-GPC1 antibody (AA 301-400) (Cy7)**[Go to Product page](#)

## Overview

|                      |                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                  |
| Target:              | GPC1                                                                                                    |
| Binding Specificity: | AA 301-400                                                                                              |
| Reactivity:          | Human                                                                                                   |
| Host:                | Rabbit                                                                                                  |
| Clonality:           | Polyclonal                                                                                              |
| Conjugate:           | This GPC1 antibody is conjugated to Cy7                                                                 |
| Application:         | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |                                                                |
|-----------------------|----------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human glypican 1 |
| Isotype:              | IgG                                                            |
| Predicted Reactivity: | Human, Mouse, Rat, Dog, Cow, Horse                             |
| Purification:         | Purified by Protein A.                                         |

## Target Details

|                   |                                              |
|-------------------|----------------------------------------------|
| Target:           | GPC1                                         |
| Alternative Name: | Glypican 1 ( <a href="#">GPC1 Products</a> ) |
| Background:       | Synonyms: glypican, Glypican-1, GPC1         |

## Target Details

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 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.

|           |                                                                                                                 |
|-----------|-----------------------------------------------------------------------------------------------------------------|
| Gene ID:  | 2817                                                                                                            |
| UniProt:  | <a href="#">P35052</a>                                                                                          |
| Pathways: | <a href="#">Glycosaminoglycan Metabolic Process</a> , <a href="#">Regulation of Muscle Cell Differentiation</a> |

## Application Details

|                    |                                                              |
|--------------------|--------------------------------------------------------------|
| Application Notes: | IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>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                                                                                                          |