



[Go to Product page](#)

Datasheet for ABIN2855849

anti-GPC1 antibody

3 Images

2 Publications

Overview

| | |
|--------------|--|
| Quantity: | 100 µL |
| Target: | GPC1 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This GPC1 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunoprecipitation (IP), Immunocytochemistry (ICC), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS) |

Product Details

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|-------------------|---|
| Immunogen: | Recombinant protein encompassing a sequence within the center region of human Glypican 1. The exact sequence is proprietary. |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Characteristics: | Rabbit Polyclonal antibody to Glypican 1 (glypican 1) Glypican 1 antibody [N3C3] |
| Purification: | Purified by antigen-affinity chromatography. |
| Grade: | KO Validated |

Target Details

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|-------------------|--|
| Target: | GPC1 |
| Alternative Name: | glypican 1 (GPC1 Products) |
| Background: | Cell surface heparan sulfate proteoglycans are composed of a membrane-associated protein core substituted with a variable number of heparan sulfate chains. Members of the glypican-related integral membrane proteoglycan family (GRIPS) contain a core protein anchored to the cytoplasmic membrane via a glycosyl phosphatidylinositol linkage. These proteins may play a role in the control of cell division and growth regulation. |
| Molecular Weight: | 62 kDa |
| Gene ID: | 2817 |
| UniProt: | P35052 |
| Pathways: | Glycosaminoglycan Metabolic Process , Regulation of Muscle Cell Differentiation |

Application Details

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|--------------------|---|
| Application Notes: | WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. FACS: 1:50-1:200. IP: 1:100-1:500. ELISA: 1:1000-1:10000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications. |
| Comment: | Positive Control: MDA-MB-231 , MDA-MB-231 (24 µg/ml Tunicamycin for 16hr) , U87-MG membrane extracts , U87-MG conditioned medium , Mouse brain , mouse fetal brain , A431 , MCF-7 , AsPC-1 Validation: Comparison, KO/KD, Orthogonal |
| Restrictions: | For Research Use only |

Handling

| | |
|--------------------|---|
| Format: | Liquid |
| Concentration: | 0.58 mg/mL |
| Buffer: | 1XPBS pH 7, 20 % Glycerol, 0.025 % ProClin 300 |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

Handling

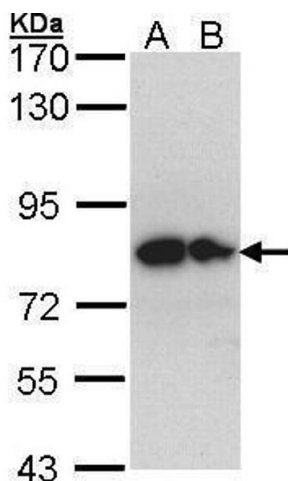
Storage: 4 °C, -20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Publications

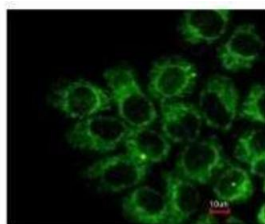
Product cited in: Salzman, Nakamura, Nallur, Dookwah, Methetraitur, Slack, Weidhaas: "miR-34 activity is modulated through 5'-end phosphorylation in response to DNA damage." in: **Nature communications**, Vol. 7, pp. 10954, (2016) ([PubMed](#)).

Images

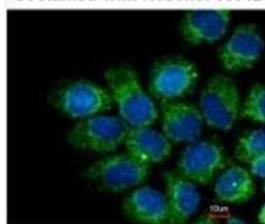


Western Blotting

Image 1. WB Image Sample (30 ug of whole cell lysate) A: Hep G2 , B: Molt-4 , 7.5% SDS PAGE antibody diluted at 1:1000

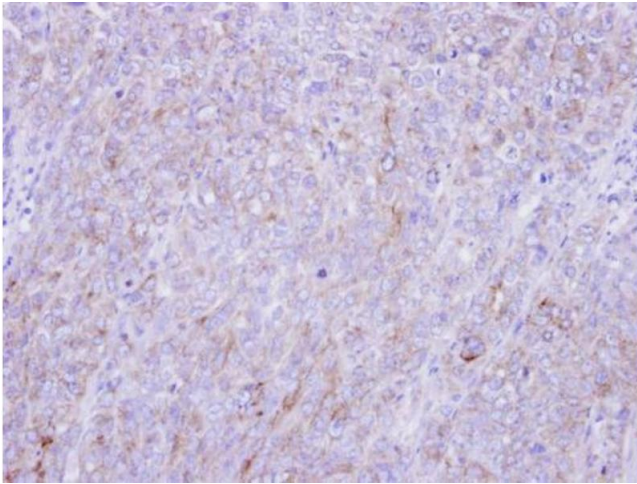


Costained with Hoechst 33342



Immunofluorescence

Image 2. ICC/IF Image Immunofluorescence analysis of methanol-fixed A431, using Glypican 1, antibody at 1:200 dilution.



Immunohistochemistry

Image 3. IHC-P Image Immunohistochemical analysis of paraffin-embedded DLD-1 xenograft, using Glypican-1, antibody at 1:100 dilution.