

Datasheet for ABIN3031100  
**anti-Glypican 3 antibody (AA 529-560)**



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5 Images

## Overview

Quantity:	0.4 mL
Target:	Glypican 3 (GPC3)
Binding Specificity:	AA 529-560
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Glypican 3 antibody is un-conjugated
Application:	Immunofluorescence (IF), Western Blotting (WB), ELISA

## Product Details

Immunogen:	A portion of amino acids 529-560 from the human protein was used as the immunogen for this GPC3 antibody.
Isotype:	Ig Fraction
Purification:	Purified

## Target Details

Target:	Glypican 3 (GPC3)
Alternative Name:	GPC3 ( <a href="#">GPC3 Products</a> )
Background:	GPC3 is a cell surface proteoglycan that bears heparan sulfate. This protein may be involved in the suppression/modulation of growth in the predominantly mesodermal tissues and organs, and may play a role in the modulation of IGF2 interactions with its receptor and thereby

## Target Details

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modulate its function. Members of the glypican-related integral membrane proteoglycan family contain a core protein anchored to the cytoplasmic membrane via a glycosyl phosphatidylinositol (GPI) linkage. These proteins may play a role in the control of cell division, growth regulation, and tumor predisposition. Deletion mutations in GPC3 are the cause of Simpson-Golabi-Behmel syndrome (SGBS), also known as Simpson dysmorphia syndrome (SDYS). SGBS is a condition characterized by pre- and postnatal overgrowth (gigantism) with visceral and skeletal anomalies.

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UniProt: [P51654](#)

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Pathways: [Glycosaminoglycan Metabolic Process](#)

## Application Details

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Application Notes: Titration of the GPC3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Immunofluorescence: 1:10-1:50,Western blot: 1:1000

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

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Preservative: Sodium azide

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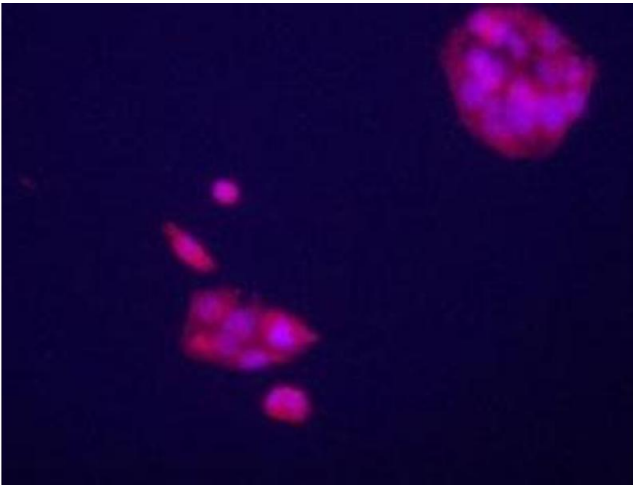
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C

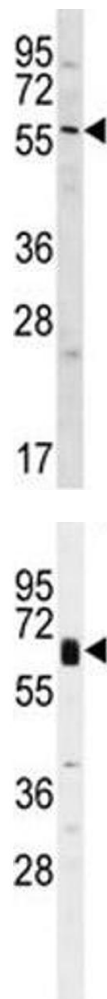
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Storage Comment: Aliquot the GPC3 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



### Immunofluorescence

**Image 1.** Immunofluorescence staining of GPC3 antibody on HepG2 cells. The cells were acetone fixed. Ab dilution of 1:50. Original magnification 1:400. (Data and protocol courtesy of Dr. Mariana Dabeva, Department of Medicine at Albert Einstein College of Medicine.)



### Western Blotting

**Image 2.** GPC3 antibody western blot analysis in Jurkat lysate

### Western Blotting

**Image 3.** GPC3 antibody western blot analysis in mouse lung tissue lysate

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3031100.