

Datasheet for ABIN966218  
**anti-GPC1 antibody (C-Term)**



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**1** Publication

## Overview

Quantity:	0.1 mg
Target:	GPC1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GPC1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC)

## Product Details

Immunogen:	Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to C-terminal residues of human GPC1(Glypican-1 precursor)
Purification:	Purified by antigen-specific affinity chromatography.

## Target Details

Target:	GPC1
Alternative Name:	GPC1 ( <a href="#">GPC1 Products</a> )
Background:	GPC1(Glypican-1) is a cell surface proteoglycan that bears heparan sulfate. The protein is attached to the membrane by a GPI-anchor. This cell-associated glypican is further processed to give rise to a medium-released species. The glypican-1 is required for efficient TGF-beta1 signaling in pancreatic cancer cells. The syndecan-1 and glypican-1 have roles in progression of

## Target Details

ovarian cancer. 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.

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

## Application Details

Application Notes: ELISA, Western blotting: 1µg/ml for 2hrs.

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: This antibody is stored in PBS, 50% glycerol

Preservative: Sodium azide

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

Storage: -20 °C

## Publications

Product cited in: Davies, Blackhall, Shanks, David, McGown, Swindell, Slade, Martin-Hirsch, Gallagher, Jayson: "Distribution and clinical significance of heparan sulfate proteoglycans in ovarian cancer." in: **Clinical cancer research : an official journal of the American Association for Cancer Research**, Vol. 10, Issue 15, pp. 5178-86, (2004) ([PubMed](#)).