

Datasheet for ABIN969523  
**anti-Glypican 3 antibody**[Go to Product page](#)

7 Images

2 Publications

## Overview

Quantity:	0.1 mg
Target:	Glypican 3 (GPC3)
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Glypican 3 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC)

## Product Details

Immunogen:	Purified recombinant fragment of human GPC3 expressed in E. coli.
Clone:	9C2
Isotype:	IgG1
Purification:	purified

## Target Details

Target:	Glypican 3 (GPC3)
Alternative Name:	GPC3 ( <a href="#">GPC3 Products</a> )
Background:	Description: 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

## Target Details

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. The protein encoded by this gene can bind to and inhibit the dipeptidyl peptidase activity of CD26, and it can induce apoptosis in certain cell types. Deletion mutations in this gene are associated with Simpson-Golabi-Behmel syndrome, also known as Simpson dysmorphia syndrome. Alternative splicing results in multiple transcript variants.

Aliases: SGB, DGSX, MXR7, SDYS, SGBS, OCI-5, SGBS1, GTR2-2

Molecular Weight: 65.5 kDa

Gene ID: 2719

HGNC: 2719

Pathways: [Glycosaminoglycan Metabolic Process](#)

## Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Purified antibody in PBS with 0.05 % sodium azide

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: 4 °C/-20 °C

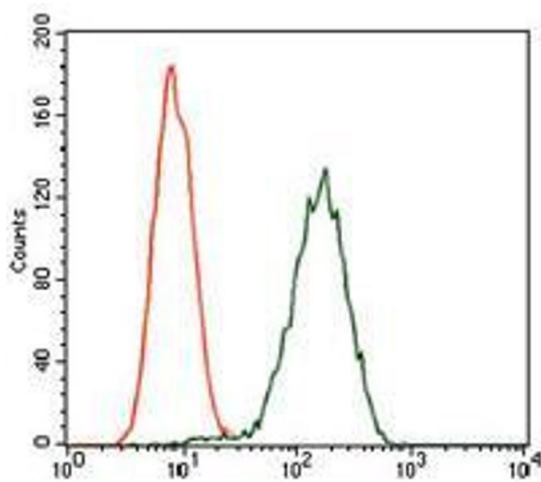
Storage Comment: 4°C, -20°C for long term storage

## Publications

Product cited in: Mishra, Thakur, Somal, Parmar, Yadav, Bharati, Bharti, Paul, Verma, Chouhan, Sharma, Singh, González, DOcchio, Sarkar et al.: "Expression and localization of angiopoietin family in buffalo ovarian follicles during different stages of development and modulatory role of angiopoietins on steroidogenesis and survival of cultured ..." in: **Theriogenology**, Vol. 86, Issue 7, pp. 1818-33, (2016) ([PubMed](#)).

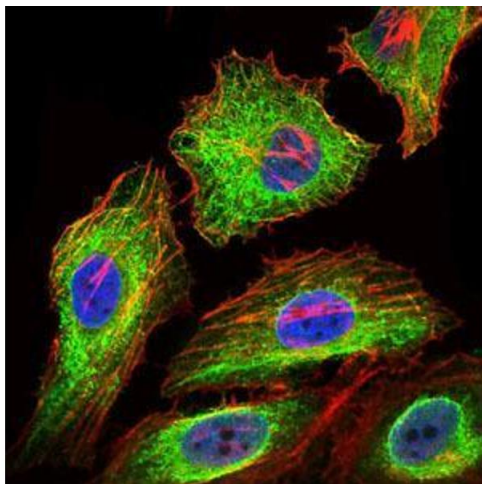
Mishra, Parmar, Yadav, Reshma, Bharati, Bharti, Paul, Chouhan, Taru Sharma, Singh, Sarkar et al.: "Expression and localization of angiopoietin family in corpus luteum during different stages of oestrous cycle and modulatory role of angiopoietins on steroidogenesis, angiogenesis and survivability ..." in: **Reproduction in domestic animals = Zuchthygiene**, Vol. 51, Issue 6, pp. 855-869, (2016) ([PubMed](#)).

## Images



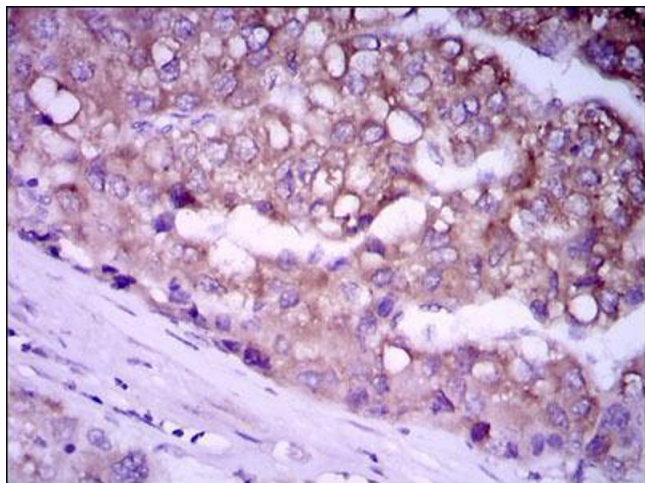
### Flow Cytometry

**Image 1.** Flow cytometric analysis of Jurkat cells using GPC3 mouse mAb (green) and negative control (red).



### Immunofluorescence

**Image 2.** Immunofluorescence analysis of HeLa cells using GPC3 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



#### Immunohistochemistry

**Image 3.** Immunohistochemical analysis of paraffin-embedded liver cancer tissues using GPC3 mouse mAb with DAB staining.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN969523.