

## Mouse Monoclonal Antibody to GPC3

<b>Catalogue Number</b>	sAP-0722
<b>Target Molecule</b>	<b>Name: GPC3</b> <b>Aliases:</b> SGB; DGSX; MXR7; SDYS; SGBS; OCI-5; SGBS1; GTR2-2 <b>MW: 65.5kDa</b> <b>Entrez Gene ID: 2719</b>
<b>Description</b>	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. 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.
<b>Immunogen</b>	Purified recombinant fragment of human GPC3 expressed in E. Coli. ;
<b>Recitative Species</b>	Human; Mouse;
<b>Clone</b>	MM9C2;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. Int J Cancer. 2010 Mar 15;126(6):1291-301. ; 2. Cancer Biol Ther. 2009 Dec;8(24):2329-38. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**