

Product datasheet for **TA399832**

GPC3 Rabbit Monoclonal Antibody [Clone ID: 4G7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	4G7
Applications:	ELISA, FC, IHC
Reactivity:	Human
Modifications:	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format for improved compatibility with existing reagents assays and techniques.
Host:	Rabbit
Isotype:	IgG, kappa
Clonality:	Monoclonal
Immunogen:	The original antibody was generated by immunizing BALB/c mice with a recombinant human GPC3 extracellular domain (ECD, amino acids of 1-547) fused to a C-terminal Flag (RADYKDDDDK).
Specificity:	<p>This antibody binds an epitope spanning the furin cleavage site at amino acids R358/S359 of human GPC3. Glypican-3 is an oncofetal antigen that belongs to the glypican family of glycosyl-phosphatidylinositol-anchored heparin sulfate proteoglycans. It negatively regulates the hedgehog signaling pathway and positively regulates the canonical Wnt signaling pathway. Multiple studies have revealed that GPC-3 is overexpressed in hepatocellular carcinoma (HCC).</p> <p>This antibody can bind human glypican 3 expressed on the surface of 293S cells, HepG2 X1 cells and JHH7 cells in a flow cytometric assay. The binding characterization of this antibody to huGPC3, cynoGPC3, and HepG2 cells was done using ELISA and immunohistochemistry (US9926377).</p>
Formulation:	PBS with 0.02% Proclin 300.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.
Database Link:	P51654
Synonyms:	DGSX; Glypican-3; GPC-3; GPC3; GTR2-2; Intestinal protein OCI-5; MXR7; OCI5



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