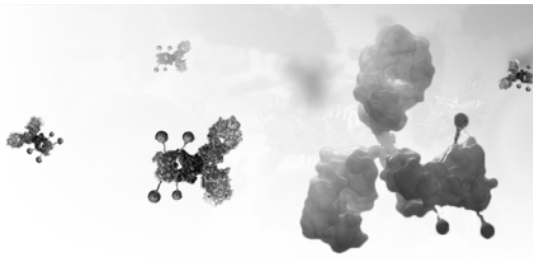

Mouse Anti-Human Glypican-3 monoclonal antibody, clone JID516 (CABT-L2888)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This antibody is intended for qualified laboratories to qualitatively identify by light microscopy the presence of associated antigens in sections of formalin-fixed, paraffin-embedded tissue sections using IHC test methods.
Specificity	Human Glypican-3
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	JID516
Conjugate	Unconjugated
Applications	IHC
Reconstitution	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. The concentrated antibody requires dilution in the optimized buffer, to the recommended working dilution range.
Positive Control	Hepatocellular Carcinoma
Format	Liquid
Size	Predilut: 7 ml, Concentrate: 100 µl, Concentrate: 1 ml
Buffer	Predilute: Antibody Diluent Buffer Concentrate: Tris Buffer, pH 7.3 - 7.7, with 1% BSA

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Preservative	< 0.1% Sodium Azide
Storage	Store at 2-8°C. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	Glypican-3 (GPC3) is a GPI-archored proteoglycan involved in cell division and growth regulation. Glypican-3 is a useful tumor marker, and its expression has been shown to be upregulated in hepatocellular carcinoma (HCC), hepatoblastoma, melanoma, testicular germ cell tumors, and Wilms' tumor. Patients with HCC have presented elevated levels of GPC3 in the neoplastic liver tissues and serum, which is higher than cirrhotic liver or liver with focal lesions including those with hepatic adenoma and dysplastic nodules. Glypican-3 is also overexpressed in testicular germ cell tumors of certain subtypes, such as yolk sac tumors and choriocarcinoma, and in embryonal tumors.
Keywords	GPC3;glypican 3;SDYS;glypican-3;DGSX;glypican proteoglycan 3;OCI 5;SGB;SGBS;SGBS1;secreted glypican-3;intestinal protein OCI-5;heparan sulphate proteoglycan;MXR7;OCI-5;GTR2-2

GENE INFORMATION

Gene Name	GPC3 glypican 3 [Homo sapiens (human)]
Official Symbol	GPC3
Synonyms	GPC3; glypican 3; SGB; DGSX; MXR7; SDYS; SGBS; OCI-5; SGBS1; GTR2-2; glypican-3; secreted glypican-3; glypican proteoglycan 3; intestinal protein OCI-5; heparan sulphate proteoglycan;
Entrez Gene ID	2719
Protein Refseq	NP_001158089
UniProt ID	P51654
Chromosome Location	Xq26.1
Pathway	A tetrasaccharide linker sequence is required for GAG synthesis; Chondroitin sulfate/dermatan sulfate metabolism; Defective B3GAT3 causes JDSSDHD; Defective B4GALT1 causes B4GALT1-CDG (CDG-2d); Defective B4GALT7 causes EDS, progeroid type; Defective CHST14 causes EDS, musculocontractural type; Defective CHST3 causes SEDCJD; Defective CHST6 causes MCDC1;

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Function	heparan sulfate proteoglycan binding; peptidyl-dipeptidase inhibitor activity; protein binding;

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