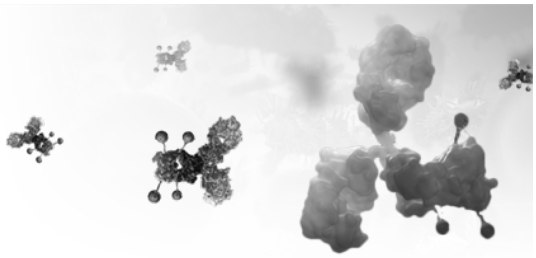

Mouse Anti-Human GST3 monoclonal antibody, clone JID701 (CABT-L2904)

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 GST3
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	JID701
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	Sertoli Cells
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	GST3 defines a subset of isozymes of Glutathione S-Transferases (GSTs), which catalyze the detoxification of glutathione to inhibit carcinogenesis. GST3 is present in tissues of the bowel, brain, breast, heart, kidney, liver, pancreas, skin, and stomach. Some studies have found elevated levels of GST3 in gastric carcinoma tissues relative to normal gastric epithelial tissues.
Keywords	GSTP1;glutathione S-transferase pi 1;FAEES3, GST3;glutathione S-transferase P;GSTP;GSTP1-1;GST class-pi;deafness, X-linked 7;fatty acid ethyl ester synthase III;PI;DFN7;GST3;FAEES3;

GENE INFORMATION

Gene Name	GSTP1 glutathione S-transferase pi 1 [Homo sapiens (human)]
Official Symbol	GSTP1
Synonyms	GSTP1; glutathione S-transferase pi 1; PI; DFN7; GST3; GSTP; FAEES3; HEL-S-22; glutathione S-transferase P; GSTP1-1; GST class-pi; deafness, X-linked 7; epididymis secretory protein Li 22; fatty acid ethyl ester synthase III;
Entrez Gene ID	2950
Protein Refseq	NP_000843
UniProt ID	P09211
Chromosome Location	11q13
Pathway	4-hydroxy-2-nonenal detoxification; Arachidonate Epoxygenase / Epoxide Hydrolase; Biological oxidations; Cellular responses to stress; Chemical carcinogenesis; Defective AHCY causes Hypermethioninemia with S-adenosylhomocysteine hydrolase deficiency (HMAHCHD); Defective GCLC causes Hemolytic anemia due to gamma-glutamylcysteine synthetase deficiency (HAGGSD); Defective GGT1 causes Glutathionuria (GLUTH);
Function	JUN kinase binding; S-nitrosoglutathione binding; dinitrosyl-iron complex binding; glutathione transferase activity; kinase regulator activity; nitric oxide binding; protein binding;

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