G-Biosciences Image not found or type unknown

Immunotag™ GSTP1 Monoclonal Antibody

Antibody Specification

Catalog No.	ITM0320
Product Description	Immunotag™ GSTP1 Monoclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	GSTP1
Clonality	Monoclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,IF,FCM,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/200 - 1/1000. Immunofluorescence: 1/200 - 1/1000. Flow cytometry: 1/200 - 1/400. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Mouse
Immunogen	Purified recombinant fragment of human GSTP1 expressed in E. Coli.
Specificity	GSTP1 Monoclonal Antibody detects endogenous levels of GSTP1 protein.
Purification	Affinity purification
Form	Ascitic fluid containing 0.03% sodium azide.
Gene Name	GSTP1
Accession No.	P09211 P19157
Alternate Names	GSTP1; FAEES3; GST3; Glutathione S-transferase P; GST class-pi; GSTP1-1

Antibody Specification

Description	glutathione S-transferase pi 1(GSTP1) Homo sapiens Glutathione S-transferases (GSTs) are a family of enzymes that play an important role in detoxification by catalyzing the conjugation of many hydrophobic and electrophilic compounds with reduced glutathione. Based on their biochemical, immunologic, and structural properties, the soluble GSTs are categorized into 4 main classes: alpha, mu, pi, and theta. This GST family member is a polymorphic gene encoding active, functionally different GSTP1 variant proteins that are thought to function in xenobiotic metabolism and play a role in susceptibility to cancer, and other diseases. [provided by RefSeq, Jul 2008],
Cell Pathway/ Category	Glutathione metabolism,Metabolism of xenobiotics by cytochrome P450,Drug metabolism,Pathways in cancer,Prostate cancer,
Protein Expression	Brain,Cajal-Retzius cell,Colon carcinoma,Fetal brain cortex,Platelet,Urinar
Subcellular Localization	extracellular space,intracellular,nucleus,cytoplasm,mitochondrion,cytosol,plasma membrane,vesicle,extracellular exosome,TRAF2-GSTP1 complex,
Protein Function	catalytic activity:RX + glutathione = HX + R-S-glutathione.,function:Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles.,online information:The Singapore human mutation and polymorphism database,similarity:Belongs to the GST superfamily. Pi family.,similarity:Contains 1 GST C-terminal domain.,similarity:Contains 1 GST N-terminal domain.,subunit:Homodimer.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.

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