

GST-Pi (ABT153R) rabbit mAb

Catalog No :	YM7133
Reactivity :	Human;
Applications :	IHC;WB; ELISA
Target :	GST-Pi
Fields :	>>Glutathione metabolism;>>Metabolism of xenobiotics by cytochrome P450;>>Drug metabolism - cytochrome P450;>>Drug metabolism - other enzymes;>>Metabolic pathways;>>Platinum drug resistance;>>Pathways in cancer;>>Chemical carcinogenesis - DNA adducts;>>Prostate cancer;>>Hepatocellular carcinoma;>>Fluid shear stress and atherosclerosis
Gene Name :	Glutathione S-transferase P (EC 2.5.1.18) (GST class-pi) (GSTP1-1)
Protein Name :	Deafness;Deafness X-linked 7;DFN7;FAEES3;Fatty Acid Ethyl Ester Synthase III;Glutathione S Transferase 3;Glutathione S Transferase Pi;Glutathione S-transferase P;Glutathione S-transferase pi 1;GST cla
Human Swiss Prot No :	P09211
Mouse Swiss Prot No :	P19157
Rat Swiss Prot No :	P04906
Immunogen :	Synthesized peptide derived from human GST-Pi AA range:150-210
Specificity :	This antibody detects endogenous levels of GST-Pi
Formulation :	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source :	Monoclonal, Rabbit IgG1, Kappa
Dilution :	IHC 1:100-500, WB 1:500-1000, ELISA 1:5000-20000
Purification :	Recombinant Expression and Affinity purified

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 23kD

Background : 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],

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.,

Subcellular Location : Cytoplasmic

Expression : Esophageal squamous cell carcinoma

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