

**GST-Pi (ABT153R) rabbit mAb**

<b>Catalog No :</b>	YM7133
<b>Reactivity :</b>	Human;
<b>Applications :</b>	IHC;WB; ELISA
<b>Target :</b>	GST-Pi
<b>Fields :</b>	>>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
<b>Gene Name :</b>	Glutathione S-transferase P (EC 2.5.1.18) (GST class-pi) (GSTP1-1)
<b>Protein Name :</b>	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
<b>Human Swiss Prot No :</b>	P09211
<b>Mouse Swiss Prot No :</b>	P19157
<b>Rat Swiss Prot No :</b>	P04906
<b>Immunogen :</b>	Synthesized peptide derived from human GST-Pi AA range:150-210
<b>Specificity :</b>	This antibody detects endogenous levels of GST-Pi
<b>Formulation :</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
<b>Source :</b>	Monoclonal, Rabbit IgG1, Kappa
<b>Dilution :</b>	IHC 1:100-500, WB 1:500-1000, ELISA 1:5000-20000
<b>Purification :</b>	Recombinant Expression and Affinity purified

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**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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