

## GST-Pi (ABT256) mouse mAb

|                              |  |
|------------------------------|--|
| <b>Catalog No :</b>          | YM4859   |
| <b>Reactivity :</b>          | Human;Mouse;   |
| <b>Applications :</b>        | IHC;WB;IF;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>           | GSTP1 FAEES3 GST3  |
| <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>         | The antibody can specifically recognize human GST-Pi protein.  |
| <b>Formulation :</b>         | PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA   |
| <b>Source :</b>              | Mouse, Monoclonal/IgG2b, kappa   |
| <b>Dilution :</b>            | IHC 1:200-1000. WB 1:500-2000. IF 1:100-500. ELISA 1:1000-5000   |
| <b>Purification :</b>        | Protein G  |

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

**Molecularweight :** 23kD

**Observed Band :** 23kD

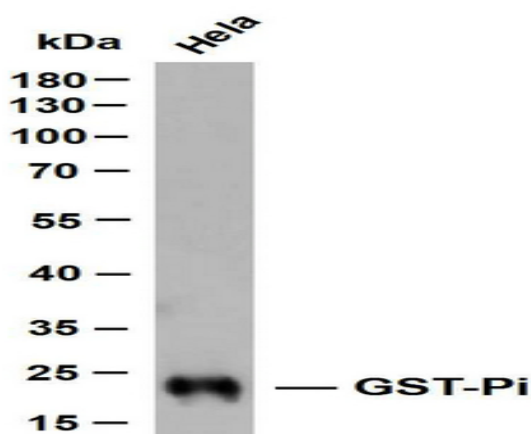
**Background :** GST -Pi is a major isoenzyme in GST family. It widely exists in the cytoplasm and mitochondria of human organs and has detoxification function. At present, it is considered to be a marker of drug resistance in tumor cells. GST - Pi is highly expressed in a variety of tumors, which is related to tumor treatment drug resistance. The simultaneous detection of GST - Pi with P-gp and TopoII has more clinical significance for judging whether tumor cells produce drug resistance.

**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.,

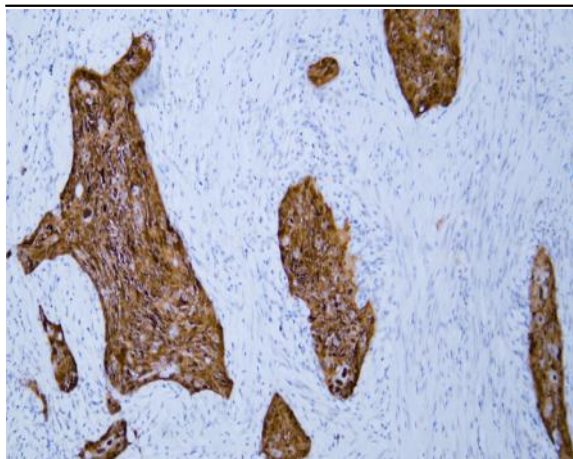
**Subcellular Location :** Cytoplasmic

**Expression :** Esophageal squamous cell carcinoma

## Products Images



HeLa whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-GST-Pi(ABT256) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: HeLa



Human esophageal squamous cell carcinoma tissue was stained with Anti-GST-Pi (ABT256) Antibody