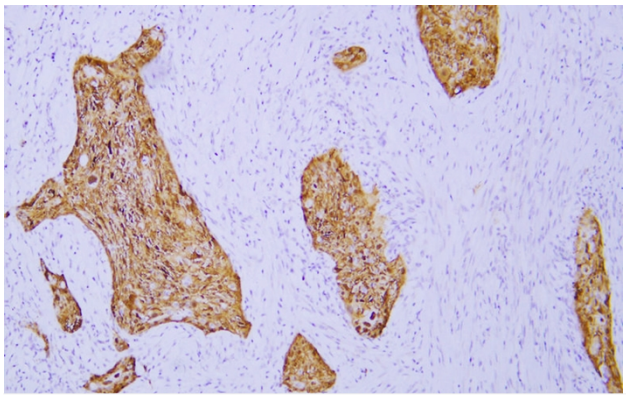
GST-Pi mouse mAb(ABT-GSTP1)

Catalog No	YP-Ab-15482
Isotype	IgG
Reactivity	Human
Applications	IHC;IF
Gene Name	GSTP1 FAEES3 GST3
Protein Name	GST-Pi
Immunogen	Synthesized peptide derived from human GST-Pi
Specificity	This antibody detects endogenous levels of human GST-Pi, TRIS-EDTA of pH9.0 was used for Heat-induced epitope retrieval (HIER)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution	IHC-p 1:50-500 WB 1:1000-2000. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Glutathione S-transferase P (EC 2.5.1.18;GST class-pi;GSTP1-1)
Observed Band	
Cell Pathway	Cytoplasm . Mitochondrion . Nucleus . The 83 N-terminal amino acids function as un uncleaved transit peptide, and arginine residues within it are crucial for mitochondrial localization.
Tissue Specificity	
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.,
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],

matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Immunohistochemical analysis of paraffin-embedded human Esophageal_squamous_cell_carcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, TRIS-EDTA of pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).