

GSTP1 Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA0645
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant fragment of human GSTP1 expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB, IHC-p, IF, ICC, FCM, ELISA
Concentration	1 mg/ml
Full name	Glutathione S-transferase P
Synonyms	GSTP1; FAEES3; GST3; Glutathione S-transferase P; GST class-pi; GSTP1-1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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.

Recommended Dilution

FC: 1:200 - 1:400

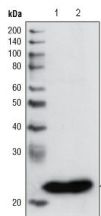
IF: 1:200 - 1:1000

IHC: 1:200 - 1:1000

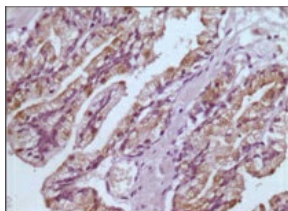
WB: 1:500 - 1:2000

Not yet tested in other applications.

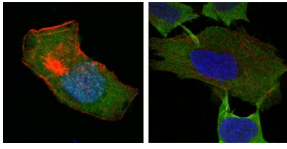
Images



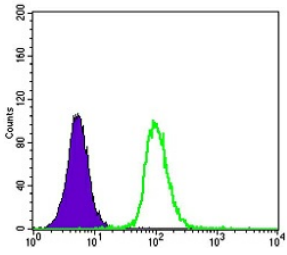
Western Blot analysis using GSTP1 Monoclonal antibody against PC3 cell lysate (1) and human cerebellum tissue lysate (2).



Immunohistochemistry analysis of paraffin-embedded human prostate tissues with DAB staining using GSTP1 Monoclonal antibody.



Confocal immunofluorescence analysis of HepG2 (left) and L-02 (right) cells using GSTP1 Monoclonal antibody (green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.



Flow cytometric analysis of K562 cells using GSTP1 Monoclonal antibody (green) and negative control (purple).

Storage

-20°C for one year

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