Product Name: GSTP1 Mouse Monoclonal Antibody
Catalog #: AMM80565
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ICC,ELISA,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	23kDa

Antigen Information

Gene Name	GSTP1
Alternative Names	PI; DFN7; GST3; FAEES3
Gene ID	2950.0
SwissProt ID	P09211
Immunogen	Purified recombinant fragment of human GSTP1 expressed in E. Coli.

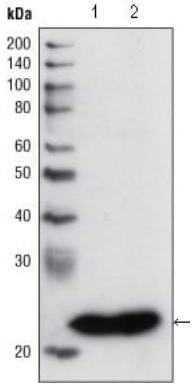
Background

GSTP1 (glutathione-S-transferase, pi 1), also called GST3/DFN7, is a family of enzymes that play an important role in detoxification by catalyzing the conjugation of many hydrophobic and electrophilic compounds with reduced glutathione. GSTP1 act like a tumor suppressor gene, which when inactivated leads to tumor growth, and the -class glutathione S-

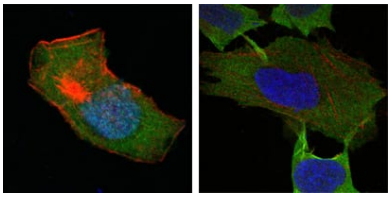
transferase is commonly inactivated by somatic CpGisland hypermethylation in cancers of the prostate, liver, and breast. Methylation of regulatory sequences at the GSTP1 gene locus is found in the vast majority (>90%) of prostate carcinomas and is associated with transcriptional down-regulation.

Research Area

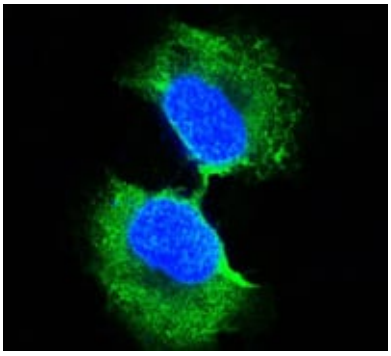
Image Data



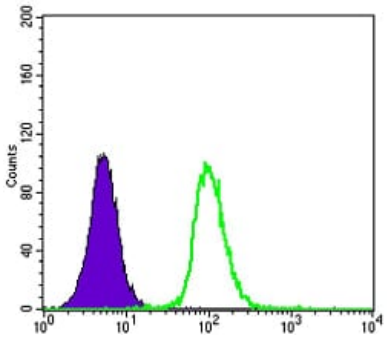
Western blot analysis using GSTP1 mouse mAb against PC3 cell lysate (1) and human cerebellum tissue lysate (2).



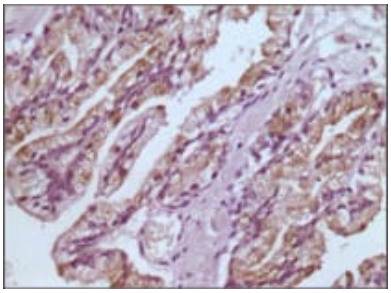
Confocal Immunofluorescence analysis of HepG2 (left) and L-02 (right) cells using GSTP1 mouse mAb (green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.



Confocal Immunofluorescence analysis of PC-3 cells using GSTP1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.



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



Immunohistochemical analysis of paraffin-embedded human prostate tissues using GSTP1 mouse mAb with DAB staining.