



GSTP1 Mouse Monoclonal Antibody

E10-20099

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 CpG island 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.

Catalog Number: E10-20099

Amount: 100µg/100µl

Clone Number: 3F2C2

Species: Mouse IgG1

MW: 23kDa

Aliases: PI; DFN7; GST3; FAEES3

Entrez Gene: 2950

Immunogen: Purified recombinant fragment of human GSTP1 expressed in E. Coli.

Storage: Store at 4°C, for long term storage, store at -20°C

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human

Tested Applications: WB, IHC, IF, FC, ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.

Application notes: WB.1/500 - 1/2000, IHC.1/200 - 1/1000, IF.1/200 - 1/1000, FCM.1/200 - 1/400 ELISA. Propose dilution 1/10000.

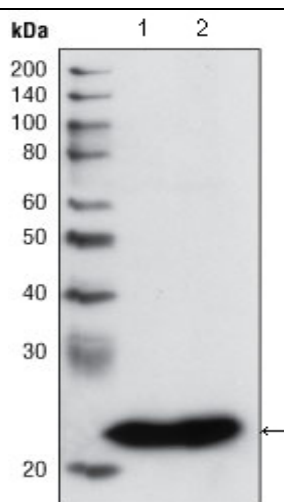


Figure 1. Western blot analysis using GSTP1 mouse mAb against PC3 cell lysate (1) and human cerebellum tissue lysate (2).

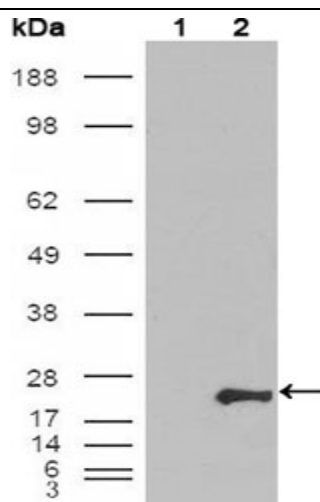


Figure 2. Western blot analysis using GSTP1 mouse mAb against HEK293T cells transfected with the pCMV6-ENTRY control (1) and pCMV6-ENTRY GSTP1 cDNA (2).

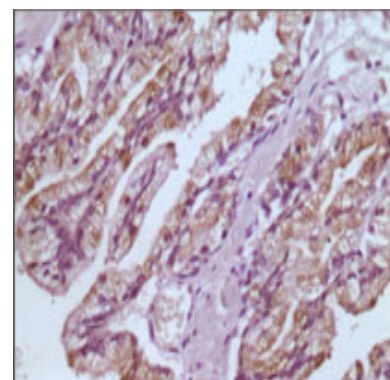


Figure 3. Immunohistochemical analysis of paraffin-embedded human prostate tissues using GSTP1 mouse mAb with DAB staining

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