

Mouse Monoclonal Antibody to GSTP1

Catalogue Number	sAP-0078
Target Molecule	Name: GSTP1 Aliases: PI; DFN7; GST3; FAEES3 MW: 23kDa Entrez Gene ID: 2950
Description	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.
Immunogen	Purified recombinant fragment of human GSTP1 expressed in E. Coli.
Reactive Species	Human;
Clone	MM3F2C2;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Kimihiko Satoh, Ken Itoh, Masayuki Yamamoto. 2002. Carcinogenesis. 23: 457 - 462.; 2. Xiaohui Lin, William G. Nelson. 2003. Cancer Research. 63: 498-504.;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**