

## Mouse Monoclonal Antibody to GSTP1

<b>Catalogue Number</b>	sAP-0078
<b>Target Molecule</b>	<p><b>Name: GSTP1</b></p> <p><b>Aliases:</b> PI; DFN7; GST3; FAEES3</p> <p><b>MW: 23kDa</b></p> <p><b>Entrez Gene ID: 2950</b></p>
<b>Description</b>	<p>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 (&gt;90%) of prostate carcinomas and is associated with transcriptional down-regulation.</p>
<b>Immunogen</b>	Purified recombinant fragment of human GSTP1 expressed in E. Coli.
<b>Reactive Species</b>	Human;
<b>Clone</b>	MM3F2C2;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	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
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	<p>1. Kimihiko Satoh, Ken Itoh, Masayuki Yamamoto. 2002. Carcinogenesis. 23: 457 - 462.; 2. Xiaohui Lin, William G. Nelson. 2003. Cancer Research. 63: 498-504.;</p>

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 ender users! This product is sold for **Research Use Only**