

## Anti-GSTP1 Antibody (5M149)

### Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	5M149
Purification:	Protein A

### Applications

Verified Activity:	1. Anti-GSTP1 rabbit monoclonal antibody at 1:500 dilution. -Lane A: Jurkat Whole Cell Lysate. -Lane B: K562 Whole Cell Lysate. -Lane C: Molt-4 Whole Cell Lysate. -Lane D: HeLa Whole Cell lysate. -Lysates/proteins at 30 µg per lane. -Secondary -Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. -Developed using the ECL technique. -Performed under reducing conditions. -Predicted band size:23 kDa.
	2. Anti-GSTP1 rabbit monoclonal antibody at 1:500 dilution. -Lane A: Hela Whole Cell Lysate. -Lane B: GSTP1 konckout Hela Whole Cell lysate. -Lysates/proteins at 30 µg per lane. -Secondary -Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. -Developed using the ECL technique. -Performed under reducing conditions. -Predicted band size:23 kDa.
Application:	WB
Recommended	WB: 1:500-1:2000

### Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen: A synthetic peptide: N-terminus of the Human GSTP1

Antigen Species: Human

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### Research Background

Glutathione S-transferase (GST) family members promote carcinogenesis and cancer progression. GSTP1 levels correlated negatively with tumor size and serum alpha-fetoprotein (AFP) in HCC patients, and higher GSTP1 levels were associated with longer overall survival (OS) and disease-free survival (DFS), the high GSTP1 levels provide a better prognosis through suppression of tumorigenesis in HCC. Dual-testing of HPV and the GSTP1 might prove an effective screening tool for cervical cancer. GSTP1 is highly expressed in various cancerous cells and pre-neoplastic lesions, where it is involved in apoptotic resistance or metabolism of several anti-tumor chemotherapeutics. That GSTP1 is a marker of malignant and pre-malignant cells and is a promising target for visualization and drug development. GSTP1 is a largely investigated tissue biomarker in several malignancies such as prostate, breast, lung, and hepatocellular carcinoma with good performances, especially for diagnostic purposes.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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