

## Anti-GSTP1 Antibody (8F531)

### Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	8F531
Purification:	Protein A

### Applications

1. Anti-GSTP1 rabbit monoclonal antibody at 1:500 dilution.
  - Lane A: Jurkat Whole Cell Lysate.
  - Lane B: K562 Whole Cell Lysate.
  - Lane C: 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.

#### Verified Activity:

- 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**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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