

## Anti-GSTP1 antibody

<b>Cat. No.</b>	ml222453
<b>Package</b>	25 µl/100 µl/200 µl
<b>Storage</b>	-20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol

### Product overview

<b>Description</b>	Anti-GSTP1 rabbit polyclonal antibody
<b>Applications</b>	ELISA, WB, IHC
<b>Immunogen</b>	Fusion protein of human GSTP1
<b>Reactivity</b>	Human, Mouse, Rat
<b>Content</b>	0.7 mg/ml
<b>Host species</b>	Rabbit
<b>Ig class</b>	Immunogen-specific rabbit IgG
<b>Purification</b>	Antigen affinity purification

### Target information

<b>Symbol</b>	GSTP1
<b>Full name</b>	glutathione S-transferase pi 1

**Synonyms** PI; DFN7; GST3; GSTP; FAEES3; HEL-S-22

**Swissprot** P09211

#### **Target Background**

Glutathione S-transferases (GSTs) are a family of enzymes that play an important role in detoxification by catalyzing the conjugation of many hydrophobic and electrophilic compounds with reduced glutathione. Based on their biochemical, immunologic, and structural properties, the soluble GSTs are categorized into 4 main classes: alpha, mu, pi, and theta. This GST family member is a polymorphic gene encoding active, functionally different GSTP1 variant proteins that are thought to function in xenobiotic metabolism and play a role in susceptibility to cancer, and other diseases.

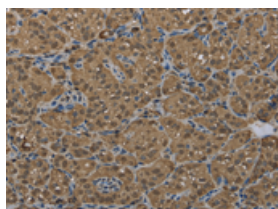
## Applications

### Immunohistochemistry

Predicted cell location: Cytoplasm and Nucleus

Positive control: Human thyroid cancer

Recommended dilution: 100-300

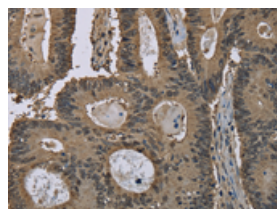


The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ml222453(GSTP1 Antibody) at dilution 1/60, on the right is treated with fusion protein. (Original magnification:  $\times 200$ )

Predicted cell location: Cytoplasm and Nucleus

Positive control: Human colon cancer

Recommended dilution: 100-300



The image on the left is immunohistochemistry of paraffin-embedded Human colon cancer tissue using ml222453(GSTP1 Antibody) at dilution 1/60, on the right is treated with fusion protein. (Original magnification:  $\times 200$ )

### Western blotting

Predicted band size: 23 kDa

Positive control: Human placenta tissue, HT-29 cells and human fetal brain tissue

Recommended dilution: 500-2000

Gel: 8%SDS-PAGE

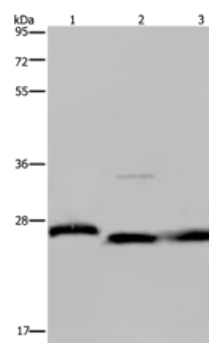
Lysate: 40  $\mu$ g

Lane 1-3: Human placenta tissue, HT29 cells, human fetal brain tissue

Primary antibody: ml222453(GSTP1 Antibody) at dilution 1/300

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 10 seconds



## ELISA

Recommended dilution: 2000-5000

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