

## Anti-GSTM4 antibody

<b>Cat. No.</b>	ml123890
<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-GSTM4 rabbit polyclonal antibody
<b>Applications</b>	ELISA, WB, IHC
<b>Immunogen</b>	Full length fusion protein
<b>Reactivity</b>	Human, Mouse
<b>Content</b>	0.5 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>	GSTM4
<b>Full name</b>	glutathione S-transferase mu 4
<b>Synonyms</b>	GTM4; GSTM4-4
<b>Swissprot</b>	Q03013

### Target Background

Cytosolic and membrane-bound forms of glutathione S-transferase are encoded by two distinct supergene families. At present, eight distinct classes of the soluble cytoplasmic mammalian glutathione S-transferases have been identified: alpha, kappa, mu, omega, pi, sigma, theta and zeta. This gene encodes a glutathione S-transferase that belongs to the mu class. The mu class of enzymes functions in the detoxification of electrophilic compounds, including carcinogens, therapeutic drugs, environmental toxins and products of oxidative stress, by conjugation with glutathione. The genes encoding the mu class of enzymes are organized in a gene cluster on chromosome 1p13.3 and are known to be highly polymorphic. These genetic variations can change an individual's susceptibility to carcinogens and toxins as well as affect the toxicity and efficacy of certain drugs. Diversification of these genes has occurred in regions encoding substrate-binding domains, as well as in tissue expression patterns, to accommodate an increasing number of foreign compounds. Multiple transcript variants, each encoding a distinct protein isoform, have been identified.

订购热线: 4008-898-798

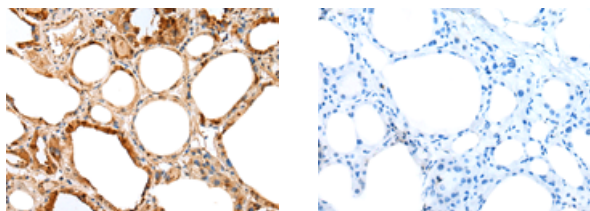
#### Applications

##### Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human thyroid cancer

Recommended dilution: 25-100



The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ml123890(GSTM4 Antibody) at dilution 1/25, on the right is treated with fusion protein. (Original magnification:  $\times 200$ )

##### Western blotting

Predicted band size: 26 kDa

Positive control: Mouse lung tissue, Mouse liver tissue, Human fetal liver tissue

Recommended dilution: 200-1000

Gel: 12% SDS-PAGE

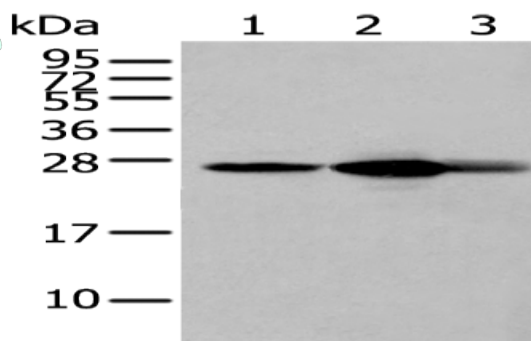
Lysate: 40  $\mu$ g

Lane 1-3: Mouse lung tissue, Mouse liver tissue, Human fetal liver tissue

Primary antibody: ml123890(GSTM4 Antibody) at dilution 1/200

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

Exposure time: 5 seconds



##### ELISA

Recommended dilution: 5000-10000

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