

**GSTO1 Antibody (internal region near C-Term)**  
Peptide-affinity purified goat antibody  
Catalog # AF4099a

**Specification**

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**GSTO1 Antibody (internal region near C-Term) - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P78417</a>
Other Accession	<a href="#">NP_004823.1</a> , <a href="#">NP_001177931.1</a> , <a href="#">NP_001177932.1</a> , <a href="#">9446</a>
Reactivity	<b>Human</b>
Host	<b>Goat</b>
Clonality	<b>Polyclonal</b>
Concentration	<b>0.5 mg/ml</b>
Isotype	<b>IgG</b>
Calculated MW	<b>27566</b>

**GSTO1 Antibody (internal region near C-Term) - Additional Information**

**Gene ID** 9446

**Other Names**

Glutathione S-transferase omega-1, GSTO-1, 2.5.1.18, Glutathione S-transferase omega 1-1, GSTO 1-1, Glutathione-dependent dehydroascorbate reductase, 1.8.5.1, Monomethylarsonic acid reductase, MMA(V) reductase, 1.20.4.2, S-(Phenacyl)glutathione reductase, SPG-R, GSTO1, GSTTLP28

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

GSTO1 Antibody (internal region near C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**GSTO1 Antibody (internal region near C-Term) - Protein Information**

**Name** GSTO1

**Synonyms** GSTTLP28

**Function**

Exhibits glutathione-dependent thiol transferase and dehydroascorbate reductase activities. Has S-(phenacyl)glutathione reductase activity. Has also glutathione S-transferase activity. Participates

in the biotransformation of inorganic arsenic and reduces monomethylarsonic acid (MMA) and dimethylarsonic acid.

#### Cellular Location

Cytoplasm, cytosol.

#### Tissue Location

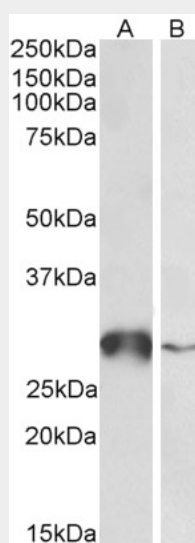
Ubiquitous. Highest expression in liver, pancreas, skeletal muscle, spleen, thymus, colon, blood leukocyte and heart. Lowest expression in brain, placenta and lung.

### GSTO1 Antibody (internal region near C-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### GSTO1 Antibody (internal region near C-Term) - Images



AF4099a (0.5  $\mu\text{g/ml}$ ) staining of Human Liver (A) and Peripheral Blood Lymphocytes (B) lysates (35  $\mu\text{g}$  protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### GSTO1 Antibody (internal region near C-Term) - Background

This antibody is expected to recognize all reported isoforms (NP\_004823.1; NP\_001177931.1; NP\_001177932.1).

### GSTO1 Antibody (internal region near C-Term) - References

Structural insights into the dehydroascorbate reductase activity of human omega-class glutathione transferases. Zhou H, Brock J, Liu D, Board PG, Oakley AJ. Journal of molecular biology 2012 Jul 420

(3): 190-203. PMID: 22522127