



## Rabbit Anti-GSTO1 antibody

SL5160R

<b>Product Name:</b>	GSTO1
<b>Chinese Name:</b>	谷胱甘肽硫转移酶ω1/glutathione S transferase Omega 1抗体
<b>Alias:</b>	AA407097; AI194287; AU018802; DKFZp686H13163; EC 2.5.1.18; Glutathione S transferase omega 1; Glutathione S-transferase omega 1-1; Glutathione S-transferase omega; Glutathione S-transferase omega-1; Glutathione transferase omega 1; Glutathione-dependent dehydroascorbate reductase; Glutathione-S-transferase like; Glutathione-S-transferase omega 1; GSTO 1-1; GSTO-1; GSTO1 1; Gsto1; GSTO1_HUMAN; GSTTLp28; GSTX; Gtsttl; MGC94845; MMA(V) reductase; Monomethylarsonic acid reductase; OTTHUMP00000020429; p28; S-(Phenacyl)glutathione reductase; SPG-R.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	28kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human GSTO1:151-241/241
<b>Isotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>

Exhibits glutathione-dependent thiol transferase and dehydroascorbate reductase activities.

**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.

**Subunit:**

Homodimer.

**Subcellular Location:**

Cytoplasm, cytosol.

**Tissue Specificity:**

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

**Similarity:**

Belongs to the GST superfamily. Omega family.

Contains 1 GST C-terminal domain.

Contains 1 GST N-terminal domain.

**Product Detail:**

**SWISS:**

P78417

**Gene ID:**

9446

**Database links:**

[Entrez Gene: 9446](#)Human

[Entrez Gene: 114846](#)Rat

[Omim: 605482](#)Human

[SwissProt: P78417](#)Human

[SwissProt: Q9Z339](#)Rat

[Unigene: 190028](#)Human

[Unigene: 25166](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human,

	therapeutic or diagnostic applications.
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