

GSTO1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP2930c**Specification**

GSTO1 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [P78417](#)**GSTO1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 9446**Other Names**

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

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP2930c](/products/AP2930c) was selected from the Center region of human GSTO1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GSTO1 Antibody (Center) Blocking Peptide - 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 (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

GSTO1 Antibody (Center) Blocking Peptide - Images**GSTO1 Antibody (Center) Blocking Peptide - Background**

GSTO1 is a member of the theta class glutathione S-transferase-like (GSTTL) protein family. In mouse, this protein acts as a small stress response protein, likely involved in cellular redox homeostasis.

GSTO1 Antibody (Center) Blocking Peptide - References

Wang, Y.H., et.al., Toxicol. Appl. Pharmacol. 241 (1), 111-118 (2009)