

GSTM1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP6896b**Specification**

GSTM1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [P09488](#)**GSTM1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 2944**Other Names**

Glutathione S-transferase Mu 1, GST HB subunit 4, GST class-mu 1, GSTM1-1, GSTM1a-1a, GSTM1b-1b, GTH4, GSTM1, GST1

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6896b](/products/AP6896b) was selected from the C-term region of human GSTM1. 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.

GSTM1 Antibody (C-term) Blocking Peptide - Protein Information**Name** GSTM1 ([HGNC:4632](#))**Synonyms** GST1**Function**

Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. Involved in the formation of glutathione conjugates of both prostaglandin A2 (PGA2) and prostaglandin J2 (PGJ2) (PubMed: <http://www.uniprot.org/citations/9084911> target="_blank">9084911). Participates in the formation of novel hepoxilin regioisomers (PubMed: <http://www.uniprot.org/citations/21046276> target="_blank">21046276).

Cellular Location

Cytoplasm.

Tissue Location

Liver (at protein level).

GSTM1 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

GSTM1 Antibody (C-term) Blocking Peptide - Images**GSTM1 Antibody (C-term) Blocking Peptide - Background**

GSTM1 is 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 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.

GSTM1 Antibody (C-term) Blocking Peptide - References

Kostyrykina, N.A., et.al., Bull. Exp. Biol. Med. 148 (1), 89-93 (2009)