

**GSTT1 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP6702b****Specification**

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**GSTT1 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [P30711](#)**GSTT1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 2952**Other Names**

Glutathione S-transferase theta-1, GST class-theta-1, Glutathione transferase T1-1, GSTT1

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP6702b](/products/AP6702b) was selected from the C-term region of human GSTT1. 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.

**GSTT1 Antibody (C-term) Blocking Peptide - Protein Information****Name** GSTT1**Function**

Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. Acts on 1,2-epoxy- 3-(4-nitrophenoxy)propane, phenethylisothiocyanate 4-nitrobenzyl chloride and 4-nitrophenethyl bromide. Displays glutathione peroxidase activity with cumene hydroperoxide.

**Cellular Location**

Cytoplasm.

**Tissue Location**

Found in erythrocyte. Expressed at low levels in liver. In lung, expressed at low levels in club cells and ciliated cells at the alveolar/bronchiolar junction. Absent from epithelial cells of larger bronchioles.

## **GSTT1 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **GSTT1 Antibody (C-term) Blocking Peptide - Images**

## **GSTT1 Antibody (C-term) Blocking Peptide - Background**

Glutathione S-transferase (GST) theta 1 (GSTT1) is a member of a superfamily of proteins that catalyze the conjugation of reduced glutathione to a variety of electrophilic and hydrophobic compounds. Human GSTs can be divided into five main classes: alpha, mu, pi, theta, and zeta. The theta class includes GSTT1 and GSTT2. The GSTT1 and GSTT2 share 55% amino acid sequence identity and both of them were claimed to have an important role in human carcinogenesis.

## **GSTT1 Antibody (C-term) Blocking Peptide - References**

Jones,B.A., Cancer Epidemiol (2009)Mainwaring,G.W., Biochem. J. 318 (PT 1), 297-303 (1996)