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GSTT1 Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP12899a

Specification

GSTT1 Antibody (N-term) Blocking peptide - Product Information

Primary Accession P30711

GSTT1 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 2952

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

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 (N-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 (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

GSTT1 Antibody (N-term) Blocking peptide - Images

GSTT1 Antibody (N-term) Blocking peptide - Background

Glutathione S-transferase (GST) theta 1 (GSTT1) is amember of a superfamily of proteins that catalyze the conjugationof reduced glutathione to a variety of electrophilic andhydrophobic compounds. Human GSTs can be divided into five mainclasses: alpha, mu, pi, theta, and zeta. The theta class includesGSTT1 and GSTT2. The GSTT1 and GSTT2 share 55% amino acid sequenceidentity and both of them were claimed to have an important role inhuman carcinogenesis. The GSTT1 gene is located approximately 50kbaway from the GSTT2 gene. The GSTT1 and GSTT2 genes have a similarstructure, being composed of five exons with identical exon/intronboundaries.

GSTT1 Antibody (N-term) Blocking peptide - References

Palli, D., et al. Mutagenesis 25(6):569-575(2010)Henderson, A.J., et al. Thorax 65(10):897-902(2010)Filonzi, L., et al. Birth Defects Res. Part A Clin. Mol. Teratol. 88(9):743-747(2010)Smith, G., et al. Pharmacogenet. Genomics (2010) In press :Bid, H.K., et al. J Postgrad Med 56(3):176-181(2010)