

Rabbit GSTT1 Polyclonal Antibody | anti-GSTT1 antibody

GSTT1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326158	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

GSTT1; Polyclonal Antibody; GSTT1 Antibody; EC 2.5.1.18; Glutathione S transferase 5; Glutathione S transferase theta 1; Glutathione S-transferase theta-1; Glutathione transferase T1 1; Glutathione transferase T1-1; GST 5 5; GST CL1; GST class theta 1; GST class-theta-1; GSTT1_HUMAN; anti-GSTT1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GSTT1 antibody detects endogenous levels of total GSTT1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	240
Applicable Applications for anti-GSTT1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GSTT1
Subcellular Location	Cytoplasm.
Tissue Specificity	Found in erythrocyte. Expressed at low levels in liver. In lung, expressed at low levels in Clara cells and ciliated cells at the alveolar/bronchiolar junction. Absent from epithelial cells of larger bronchioles.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of Hepg2 whole cell lysates, using GSTT1 Antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA326158 at 1/100 staining Human lymph node tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-GSTT1 antibody	Description: The GST superfamily is made up of several subfamilies. Glutathione S-transferase P (GSTP1) belongs to the Pi subfamily and is involved in the conjugation of reduced glutathione to a variety of endogenous and exogenous hydrophobic electrophiles. Glutathione S-transferase Mu 1 (GSTM1) is a cytoplasmic liver protein belonging to the Mu family and has the same basic functions as GSTP1-1. Glutathione S-transferase theta 1 (GSTT1), a cytoplasmic homodimer belonging to the Theta family, is expressed in erythrocytes. It is active in the reduced glutathione conjugation and also displays glutathione peroxidase activity with cumene hydroperoxide. 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. Subunit Structure: Homodimer. Similarity: Belongs to the GST superfamily. Theta family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	167466164
NCBI GeneID	2952
NCBI Accession #	NP_000844.2
NCBI GenBank Nucleotide #	NM_000853.3
UniProt Accession #	P30711; O00226; Q5TZY2; Q6IC69; Q969K8; Q96IY3
Molecular Weight	Observed: 27 kDa Predicted: 28 kDa
NCBI Official Full Name	glutathione S-transferase theta-1 isoform a
NCBI Official Synonym Full Names	glutathione S-transferase theta 1
NCBI Official Symbol	GSTT1
NCBI Protein Information	glutathione S-transferase theta-1
UniProt Protein Name	Glutathione S-transferase theta-1
UniProt Gene Name	GSTT1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.