

Rabbit anti-Human GSTT1 Polyclonal Antibody | anti-GSTT1 antibody

GSTT1 Antibody (N-term)

CATALOG # AAA285038	HOST Rabbit	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay, ELISA, Western Blot
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PRODUCT SYNONYMS

GSTT1; Polyclonal Antibody; GSTT1 Antibody (N-term); Glutathione S-transferase theta-1; GST class-theta-1; Glutathione transferase T1-1; anti-GSTT1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GSTT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 7-34 amino acids from the N-terminal region of human GSTT1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	7-34
Sequence Length	122
Applicable Applications for anti-GSTT1 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

GSTT1 Antibody (N-term) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)

Western blot analysis of GSTT1 (arrow) using rabbit polyclonal GSTT1 Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the GSTT1 gene.



WB (Western Blot)

Anti-GSTT1 Antibody (N-term) at 1:2000 dilution + human lung lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 27 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-GSTT1 antibody	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. The GSTT1 gene is located approximately 50kb away from the GSTT2 gene. The GSTT1 and GSTT2 genes have a similar structure, being composed of five exons with identical exon/intron boundaries.
Product Categories/Family for anti-GSTT1 antibody	Cell Biology ; Metabolism
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)

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	27335
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
UniProt Entry Name	GSTT1_HUMAN

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.