

## Product datasheet for **TA346677**

### Glutathione S Transferase theta 1 (GSTT1) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-GSTT1 antibody: synthetic peptide directed towards the C terminal of human GSTT1. Synthetic peptide located within the following region: TWRQRVEAAVGEDLFQEAEHILKAKDFPPADPTIKQKLMPWVLAMIR
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	27 kDa
Gene Name:	glutathione S-transferase theta 1
Database Link:	<a href="#">NP_000844</a> <a href="#">Entrez Gene 2952 Human P30711</a>



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**Background:**

The protein encoded by this gene, 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. GSTT1 and GSTT2 share 55% amino acid sequence identity and both may play an important role in human carcinogenesis. The GSTT1 and GSTT2 genes have a similar structure, being composed of five exons with identical exon/intron boundaries. This GSTT1 gene is haplotype-specific and is absent from 38% of the population. Alternative splicing of this gene results in multiple transcript variants. Two related pseudogenes, which are also located on chromosome 22, have been identified. [provided by RefSeq, Jun 2014]

**Synonyms:**

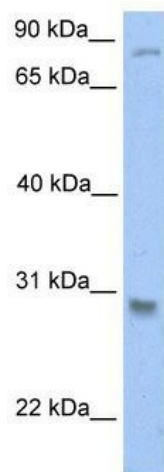
glutathione S-transferase theta 1

**Note:**

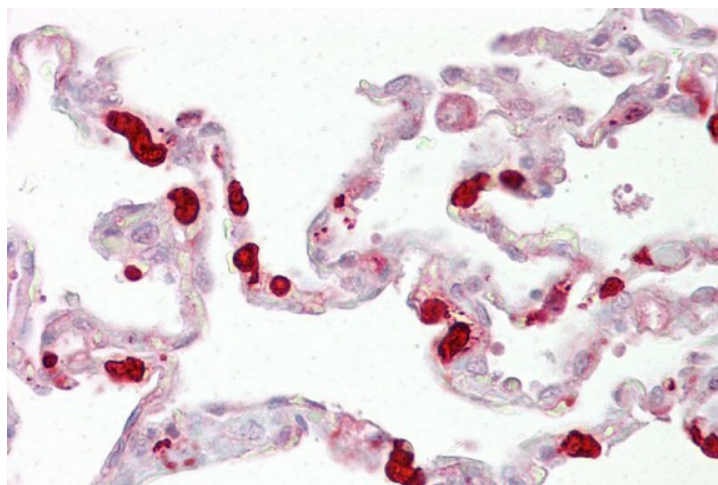
Immunogen Sequence Homology: Human: 100%; Dog: 86%; Rat: 86%; Horse: 86%; Pig: 79%; Bovine: 79%; Rabbit: 79%; Guinea pig: 79%

**Protein Pathways:**

Drug metabolism - cytochrome P450, Glutathione metabolism, Metabolism of xenobiotics by cytochrome P450

**Product images:**

WB Suggested Anti-GSTT1 Antibody Titration: 0.2-1 ug/ml; Positive Control: Jurkat cell lysate



Immunohistochemistry with Lung lysate tissue