

## Product datasheet for **TA330970**

### Glutathione Transferase zeta 1 (GSTZ1) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-GSTZ1 antibody: synthetic peptide directed towards the N terminal of human GSTZ1. Synthetic peptide located within the following region: MQAGKPILYSYFRSSCSWRVRIALALKGIDYETVPINLIKDGGQQFSKDF
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:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	24 kDa
Gene Name:	glutathione S-transferase zeta 1
Database Link:	<a href="#">NP_665877</a> <a href="#">Entrez Gene 2954 Human</a> <a href="#">O43708</a>



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**Background:** GSTZ1 is a member of the glutathione S-transferase (GSTs) super-family which are important in the detoxification of electrophilic molecules, including carcinogens, mutagens, and several therapeutic drugs, by conjugation with glutathione. This enzyme also plays a significant role in the catabolism of phenylalanine and tyrosine. Thus defects in this enzyme may lead to severe metabolic disorders including alkaptonuria, phenylketonuria and tyrosinaemia. This gene is a member of the glutathione S-transferase (GSTs) super-family which encodes multifunctional enzymes important in the detoxification of electrophilic molecules, including carcinogens, mutagens, and several therapeutic drugs, by conjugation with glutathione. This enzyme also plays a significant role in the catabolism of phenylalanine and tyrosine. Thus defects in this enzyme may lead to severe metabolic disorders including alkaptonuria, phenylketonuria and tyrosinaemia. Several transcript variants of this gene encode multiple protein isoforms.

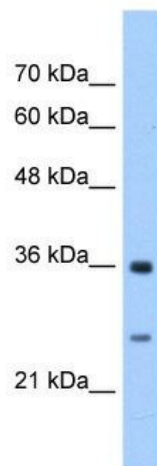
**Synonyms:** GSTZ1-1; MAAI; MAI

**Note:** Dog: 100%; Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Rat: 93%; Guinea pig: 86%; Goat: 77%

**Protein Families:** Druggable Genome

**Protein Pathways:** Drug metabolism - cytochrome P450, Glutathione metabolism, Metabolic pathways, Metabolism of xenobiotics by cytochrome P450, Tyrosine metabolism

### Product images:



WB Suggested Anti-GSTZ1 Antibody Titration: 2.5ug/ml; Positive Control: HepG2 cell lysate