

Rabbit GSTZ1 Polyclonal Antibody | anti-GSTZ1 antibody

GSTZ1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328666	Rabbit	Human, Mouse, RatPredicted: Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus	Western Blot

PRODUCT SYNONYMS

GSTZ1; Polyclonal Antibody; GSTZ1 Antibody; EC 2.5.1.18; EC 5.2.1.2; Glutathione S transferase zeta 1; Glutathione S-transferase zeta 1; Gstz1; GSTZ1-1; MAAI; MAAI_HUMAN; Maleylacetoacetate isomerase; anti-GSTZ1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Clonality	Polyclonal
Isotype	IgG
Specificity	GSTZ1 Antibody detects endogenous levels of GSTZ1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-GSTZ1 antibody	WB (Western Blot)
Immunogen	A synthesized peptide derived from human GSTZ1.
Tissue Specificity	Mostly expressed in liver followed by kidney, skeletal muscle and brain. Also expressed in melanocytes, synovium, placenta, breast and fetal liver and heart.
Fragment	Fab Fragment
Conjugate	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 extracts from Mouse liver tissue, using GSTZ1 Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)

Western blot analysis of extracts from HeLa, using GSTZ1 Antibody. The lane on the left was treated with blocking peptide.



IF (Immunofluorescence)

staining Hela cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. Samples were then incubated with primary Ab(1:200) and mouse anti-beta tubulin Ab(1:200) for 1 hour at 37 degree C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(1:200 Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(1:600 Green) were used as the secondary antibody

ADDITIONAL INFORMATION

Related Product Information for anti-GSTZ1 antibody	Description: Bifunctional enzyme showing minimal glutathione-conjugating activity with ethacrynic acid and 7-chloro-4-nitrobenz-2-oxa-1,3-diazole and maleylacetoacetate isomerase activity. Has also low glutathione peroxidase activity with T-butyl and cumene hydroperoxides. Is able to catalyze the glutathione dependent oxygenation of dichloroacetic acid to glyoxylic acid.
	Subunit Structure: Homodimer.
	Similarity: Belongs to the GST superfamily. Zeta family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	22202622
NCBI GeneID	2954
UniProt Accession #	O43708
Molecular Weight	Observed: 30 kDa Predicted: 25 kDa
NCBI Official Synonym Full Names	glutathione S-transferase zeta 1
NCBI Official Symbol	GSTZ1
NCBI Official Synonym Symbols	MAI; MAAI; MAAID; GSTZ1-1
NCBI Protein Information	maleylacetoacetate isomerase
UniProt Protein Name	Maleylacetoacetate isomerase
UniProt Gene Name	GSTZ1
UniProt Synonym Gene Names	MAAI; MAAI
UniProt Entry Name	MAAI_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gstz1-antibody-western-blot-elisa/328666>