

Anti-GSTZ1 Antibody (4T568)

Product Details

Ig Type:	Mouse IgG2a
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	4T568
Purification:	Protein A

Applications

Application:	ELISA
Recommended	ELISA: 1:1000-1:2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human GSTZ1 Protein (TMPY-03338)
Antigen Species:	Human
Synonyms:	GSTZ1;GSTZ1-1;MAAI;glutathione S-transferase ζ 1;glutathione S-transferase zeta 1;MAI

Research Background

GSTZ1 (Glutathione S-Transferase Zeta 1) is a Protein Coding gene. 3 alternatively spliced human isoforms have been reported. GSTZ1 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. GSTZ1 is a bifunctional protein that has minimal glutathione-conjugating activity with ethacrynic acid and 7-chloro-4-nitrobenzo-2-oxa-1,3-diazole and maleylacetoacetate isomerase activity. GSTZ1 catalyzes the glutathione-dependent oxygenation of dichloroacetic acid to glyoxylic acid. GSTZ1 participates in the catabolism of phenylalanine and tyrosine. Thus defects in GSTZ1 cause harsh metabolic disorders including alkaptonuria, phenylketonuria, and tyrosinemia.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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