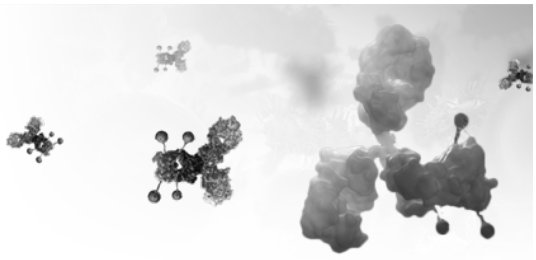

Anti-GSTZ1 (aa 109-216) polyclonal antibody (DPAB-DC1496)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	GSTZ1 (NP_665877, 109 a.a. ~ 216 a.a) partial recombinant protein with GST tag. The sequence is GIQPLQNLSVLKQVGEEMQLTWAQNAITCGFNALEQILQSTAGIYCVGDEVTMADLCLVP QVANAERFKVDLTPYPTISSINKRLLVLEAFQVSHPCRQPDTPTELRA
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

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Gene Name	GSTZ1 glutathione S-transferase zeta 1 [Homo sapiens (human)]
Official Symbol	GSTZ1
Synonyms	GSTZ1; glutathione S-transferase zeta 1; MAI; MAAI; GSTZ1-1; maleylacetoacetate isomerase; maleylacetone isomerase; glutathione S-aryltransferase; glutathione S-alkyltransferase; glutathione transferase zeta 1; glutathione S-aralkyltransferase; S-(hydroxyalkyl)glutathione lyase;
Entrez Gene ID	2954
Protein Refseq	NP_001504
UniProt ID	O43708
Chromosome Location	14q24.3
Pathway	Biological oxidations; Metabolism; Phase II conjugation; Tyrosine degradation, tyrosine =>
Function	glutathione peroxidase activity; glutathione transferase activity; maleylacetoacetate isomerase activity; protein binding

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