

bs-13442R**[Primary Antibody]****Glutathione Transferase zeta 1 Rabbit pAb****Bioss**
ANTIBODIES

www.bioss.com.cn

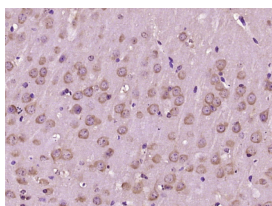
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)
Clonality: Polyclonal		
GeneID: 2954	SWISS: O43708	
Target: Glutathione Transferase zeta 1		Reactivity: Mouse (predicted: Human, Rat)
Immunogen: KLH conjugated synthetic peptide derived from human Glutathione Transferase zeta 1/MAAI: 11-110/216.		
Purification: affinity purified by Protein A		Predicted MW.: 24 kDa
Concentration: 1mg/ml		Subcellular Location: Cytoplasm
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: GSTZ1 is a member of the glutathione S transferase (GSTs) super family, encoding 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. Several transcript variants of this gene encode multiple protein isoforms. GSTZ1 shows minimal glutathione-conjugating activity with ethacrynic acid and 7-chloro-4-nitrobenz-2-oxa-1,3-diazole and maleylacetoacetate isomerase activity. It has low glutathione peroxidase activity with T butyl and cumene hydroperoxides and is able to catalyze the glutathione dependent oxygenation of dichloroacetic acid to glyoxylic acid. Highest expression in liver followed by kidney, skeletal muscle and brain. Also expressed in melanocytes, synovium, placenta, breast and fetal liver and heart.		

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MAAI) Polyclonal Antibody, Unconjugated (bs-13442R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=0.4]** Arzu Kaya Kocdogan. et al. INVESTIGATION OF GST AND DRUG RESISTANCE PROTEIN EXPRESSIONS IN RELATION TO CHEMOTHERAPY IN BREAST CANCER. HEALTH PROBL CIVILIZ. 2024 May;18(1): IHC ;Human. 10.5114/hpc.2024.139094

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.