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Datasheet for ABIN1711331
anti-GSTZ1 antibody (AA 11-110) (HRP)

Overview

Quantity:	100 µL
Target:	GSTZ1
Binding Specificity:	AA 11-110
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GSTZ1 antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Glutathione Transferase zeta 1/MAAI
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat
Purification:	Purified by Protein A.

Target Details

Target:	GSTZ1
Alternative Name:	Glutathione Transferase zeta 1/MAAI (GSTZ1 Products)

Target Details

Background:	Synonyms: EC 2.5.1.18, EC 5.2.1.2, Glutathione S transferase zeta 1, GSTZ1-1, MAAI, MAAI_HUMAN. 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.
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Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Handling Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Handling

Expiry Date: 12 months