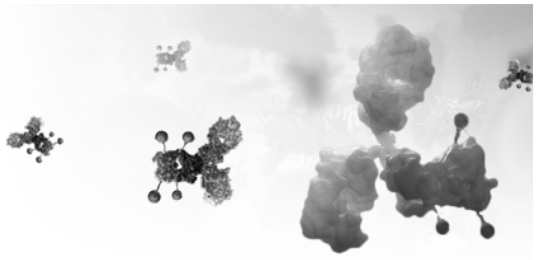

Anti-GSTT1 (full length) polyclonal antibody (DPAB-DC1494)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene, glutathione S-transferase (GST) theta 1 (GSTT1), is a member of a superfamily of proteins that catalyze the conjugation of reduced glutathione to a variety of electrophilic and hydrophobic compounds. Human GSTs can be divided into five main classes: alpha, mu, pi, theta, and zeta. The theta class includes GSTT1 and GSTT2. GSTT1 and GSTT2 share 55% amino acid sequence identity and both may play an important role in human carcinogenesis. The GSTT1 and GSTT2 genes have a similar structure, being composed of five exons with identical exon/intron boundaries. This GSTT1 gene is haplotype-specific and is absent from 38% of the population. Alternative splicing of this gene results in multiple transcript variants. Two related pseudogenes, which are also located on chromosome 22, have been identified.
Immunogen	GSTT1 (AAH07065, 1 a.a. ~ 240 a.a) full-length recombinant protein with GST tag. The sequence is MGLELYLDLLSQPCRAVYIFAKKNDIPFELRIVDLIKGQHLSDACAQVNPLKKVPALKDG DFTLTESVAILLYLTRKYKVPDYWYPQDLQARARVDEYLAWQHTTLRRSCLRALWHKVMF PVFLGEPVSPQTLAATLAELDVTLQLLEDKFLQNKAFLTGPHISLADLVAITELMHPVGA GCQVFEGRPKLATWRQRVEAAVGEDLFQEAHEVILKAKDFPPADPTIKQKLMPWVLAMIR
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	GSTT1 glutathione S-transferase theta 1 [Homo sapiens (human)]
Official Symbol	GSTT1
Synonyms	GSTT1; glutathione S-transferase theta 1; glutathione S-transferase theta-1; GST class-theta-1; glutathione transferase T1-1;
Entrez Gene ID	2952
Protein Refseq	NP_000844
UniProt ID	P30711
Chromosome Location	22q11.23
Pathway	Aflatoxin B1 metabolism; Chemical carcinogenesis; Drug metabolism - cytochrome P450; Glutathione conjugation
Function	glutathione peroxidase activity; glutathione transferase activity;

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