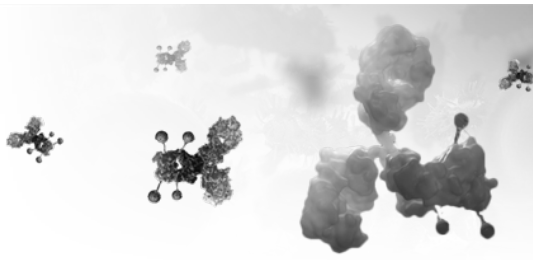

Mouse anti-Human GSTT1 monoclonal antibody, clone 3E232D0 (CABT-B10370)

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

PRODUCT INFORMATION

Immunogen	GSTT1 (AAH07065, 1 a.a. ~ 241 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	3E232D0
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	MGLELYLDLLSQPCRAVYIFAKKNDIPFELRIVDLIKGQHLSDACAQVNPLKKVPALKDG DFTLTESVAILLYLTRKYKVPDYWYPQDLQARARVDEYLAWQHTTLRRSCLRALWHKVMF PVFLGEPVSPQTLAATLAELDVTLQLLEDKFLQNKAFLTGPHISLADLVAITELMHPVGA GCQVFEGRPKLATWRQRVEAAVGEDLFQEAHEVILKAKDFPPADPTIKQKLMPWVLAMIR *
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

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Introduction	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. [provided by RefSeq, Jun 2014]
Keywords	GSTT1; glutathione S-transferase theta 1; glutathione S-transferase theta-1; GST class-theta-1; glutathione transferase T1-1;

GENE INFORMATION

Entrez Gene ID	2952
UniProt ID	P30711
Pathway	Drug metabolism - cytochrome P450, organism-specific biosystem; Drug metabolism - cytochrome P450, conserved biosystem; Glutathione metabolism, organism-specific biosystem; Glutathione metabolism, organism-specific biosystem; Glutathione metabolism, conserved biosystem; Metabolism of xenobiotics by cytochrome P450, organism-specific biosystem
Function	glutathione peroxidase activity; glutathione transferase activity; glutathione transferase activity; transferase activity

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