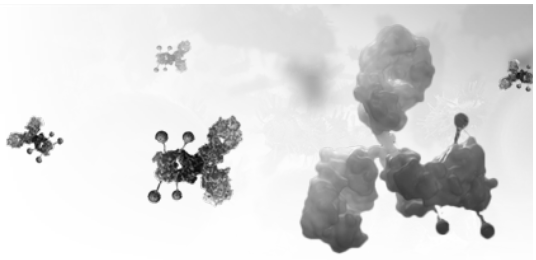

Anti-MGST1 (full length) polyclonal antibody (DPAB-DC1924)

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

PRODUCT INFORMATION

Antigen Description	The MAPEG (Membrane Associated Proteins in Eicosanoid and Glutathione metabolism) family consists of six human proteins, two of which are involved in the production of leukotrienes and prostaglandin E, important mediators of inflammation. Other family members, demonstrating glutathione S-transferase and peroxidase activities, are involved in cellular defense against toxic, carcinogenic, and pharmacologically active electrophilic compounds. This gene encodes a protein that catalyzes the conjugation of glutathione to electrophiles and the reduction of lipid hydroperoxides. This protein is localized to the endoplasmic reticulum and outer mitochondrial membrane where it is thought to protect these membranes from oxidative stress. Several transcript variants, some non-protein coding and some protein coding, have been found for this gene.
Immunogen	MGST1 (AAH05923, 1 a.a. ~ 155 a.a) full-length recombinant protein with GST tag. The sequence is MVDLTQVMDDEVFMAFASYATIILSKMMLMSTATAFYRLTRKVFANPEDCVAFGKGENAK KYLRTDDRVERVRRAHLNDLENIIPFLGIGLLYSLSGPDPSTAILHFRLFVGARIYHTIA YLTPLPQPNRALSFFVGYGVTLSMAYRLLKSKLYL
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

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

Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	MGST1 microsomal glutathione S-transferase 1 [Homo sapiens (human)]
Official Symbol	MGST1
Synonyms	MGST1; microsomal glutathione S-transferase 1; MGST; GST12; MGST-I; microsomal GST-1; microsomal GST-I; glutathione S-transferase 12;
Entrez Gene ID	4257
Protein Refseq	NP_001247440
UniProt ID	A0A024RAX2
Chromosome Location	12p12.3-p12.1
Pathway	Biological oxidations; Chemical carcinogenesis; Drug metabolism - cytochrome P450; Glutathione metabolism
Function	glutathione binding; glutathione peroxidase activity; glutathione transferase activity; protein binding

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