MGST2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MGST2, Polyclonal Antibody
Full Product Name	MGST2 Antibody
Product Gene Name	anti-MGST2 antibody
Product Synonym Names	FLJ27438; GST2; MGC14097; MGST-II; MGST2
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Specificity	The antibody detects endogenous levels of total MGST2 protein.
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.
Molecular Weight	16,621 Da
Chromosome Location	Chromosome: 4; NC_000004.11 (140586922..140661899). Location: 4q28.3
OMIM	601733
3D Structure	ModBase 3D Structure for Q99735
Immunogen	Synthesized peptide derived from Internal of human MGST2.
Product Categories/Family for anti-MGST2 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MGST2 antibody	Western Blot (WB)
Application Notes for anti-MGST2 antibody	WB: 1:500~1:3000
Related Product Information for anti-MGST2 antibody	Can catalyze the production of LTC4 from LTA4 and reduced glutathione. Can catalyze the conjugation of 1-chloro-2,4-dinitrobenzene with reduced glutathione.
Product References and Citations for anti-MGST2 antibody	Jakobsson P.-J., J. Biol. Chem. 271:22203-22210 (1996).Ebert L., Submitted (MAY-2004) to the EMBL/GenBank/DDBJ databases
Other Notes	Small volumes of anti-MGST2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for MGST2 purchase	MBS8588356 is an antibody targeting MGST2. Also known as MGST2 Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MGST2. It may not necessarily be applicable to this product.

NCBI GI #	324120893
NCBI GeneID	4258
NCBI Accession #	NP_001191295.1
UniProt Primary Accession #	Q99735
UniProt Secondary Accession #	Q7Z5B8; D6RBB5
UniProt Related Accession #	Q99735
GenBank Nucleotide #	NM_001204366.1
NCBI Official Full Name	microsomal glutathione S-transferase 2 isoform 1
NCBI Official Synonym Full Names	microsomal glutathione S-transferase 2
NCBI Official Symbol	MGST2
NCBI Official Synonym Symbols	GST2; MGST-II
UniProt Protein Name	Microsomal glutathione S-transferase 2
UniProt Synonym Protein Names	Microsomal GST-II
Protein Family	Microsomal glutathione S-transferase
UniProt Gene Name	MGST2
UniProt Synonym Gene Names	GST2; Microsomal GST-2
UniProt Entry Name	MGST2_HUMAN
NCBI Protein Information	microsomal glutathione S-transferase 2; microsomal GST-2; microsomal GST-II
NCBI Summary for MGST2	The MAPEG (Membrane Associated Proteins in Eicosanoid and Glutathione metabolism) family consists of six human proteins, several of which are involved in the production of leukotrienes and prostaglandin E, important mediators of inflammation. This gene encodes a protein which catalyzes the conjugation of leukotriene A4 and reduced glutathione to produce leukotriene C4. Alternatively spliced transcript variants encoding different isoforms have been identified in this gene. [provided by RefSeq, Feb 2011]
UniProt Comments for MGST2	MGST2: Can catalyze the production of LTC4 from LTA4 and reduced glutathione. Can catalyze the conjugation of 1-chloro-2,4- dinitrobenzene with reduced glutathione. Belongs to the MAPEG family. Protein type: Membrane protein, integral; Xenobiotic Metabolism - drug metabolism - cytochrome P450; EC 2.5.1.18; Endoplasmic reticulum; Membrane protein, multi-pass; Xenobiotic Metabolism - metabolism by cytochrome P450; Transferase; Other Amino Acids Metabolism - glutathione Chromosomal Location of Human Ortholog: 4q28.3 Cellular Component: endoplasmic reticulum membrane; intracellular membrane-bound organelle; integral to membrane; plasma membrane; nuclear envelope Molecular Function: glutathione transferase activity; leukotriene-C4 synthase activity; enzyme activator activity; glutathione peroxidase activity Biological Process: leukotriene biosynthetic process; positive regulation of catalytic activity; xenobiotic metabolic process; glutathione biosynthetic process; response to lipopolysaccharide; response to organic nitrogen
Research Articles on MGST2	**1.** Clinical trial of gene-disease association and gene-environment interaction. (HuGE Navigator)

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