

Rabbit anti-Human MGST1 Polyclonal Antibody | anti-MGST1 antibody

MGST1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324826	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

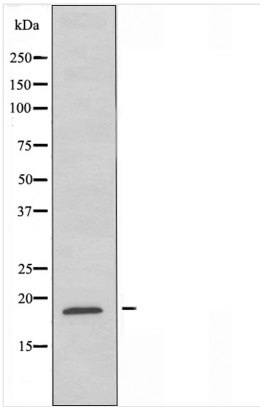
PRODUCT SYNONYMS

MGST1; Polyclonal Antibody; MGST1 Antibody; Glutathione S transferase 12; GST12; MGST 1; MGST; MGST I; MGST1_HUMAN; Microsomal glutathione S-transferase 1; Microsomal GST 1; Microsomal GST-1; Microsomal GST-I; anti-MGST1 antibody

PRODUCT SPECIFICATIONS

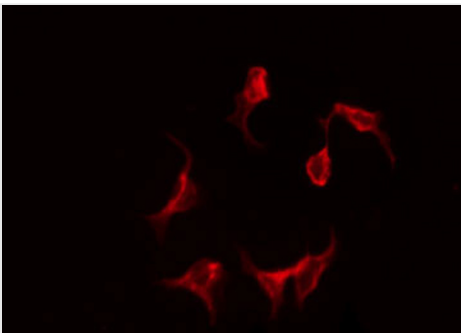
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	MGST1 antibody detects endogenous levels of total MGST1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	155
Applicable Applications for anti-MGST1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Microsome. Mitochondrion outer membrane. Endoplasmic reticulum membrane.
Tissue Specificity	Highly expressed in liver.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (91%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (82%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from HeLa cells, using MGST1 antibody.



IF (Immunofluorescence)

AAA324826 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MGST1 antibody

Function: Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. Has a wide substrate specificity.
Subunit Structure: Homotrimer; The trimer binds only one molecule of glutathione.
Post-translational Modifications: Peroxynitrite induces nitration at Tyr-93 which activates the enzyme.
Similarity: Belongs to the MAPEG family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	386869519
NCBI GeneID	4257
NCBI Accession #	NP_001247440.1
NCBI GenBank Nucleotide #	NM_001260511.1
UniProt Accession #	P10620; A8K533; G5EA53
Molecular Weight	Observed: 18 kD Predicted: 18 kDa
NCBI Official Full Name	microsomal glutathione S-transferase 1 isoform a
NCBI Official Synonym Full Names	microsomal glutathione S-transferase 1
NCBI Official Symbol	MGST1
NCBI Official Synonym Symbols	MGST; GST12; MGST-I
NCBI Protein Information	microsomal glutathione S-transferase 1
UniProt Protein Name	Microsomal glutathione S-transferase 1
UniProt Gene Name	MGST1
UniProt Synonym Gene Names	GST12; MGST; Microsomal GST-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.