

# MGST2 Antibody

Purified Rabbit Polyclonal Antibody (Pab)  
Catalog # AP51791

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q99735</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	16621

## Additional Information

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<b>Gene ID</b>	4258
<b>Other Names</b>	Microsomal glutathione S-transferase 2, Microsomal GST-2, Microsomal GST-II, MGST2, GST2
<b>Target/Specificity</b>	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MGST2. The exact sequence is proprietary.
<b>Dilution</b>	WB~~ 1:1000
<b>Format</b>	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
<b>Storage</b>	Store at -20 °C. Stable for 12 months from date of receipt

## Protein Information

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<b>Name</b>	MGST2
<b>Synonyms</b>	GST2
<b>Function</b>	Catalyzes several different glutathione-dependent reactions (PubMed: <a href="#">23409838</a> , PubMed: <a href="#">26066610</a> , PubMed: <a href="#">26656251</a> , PubMed: <a href="#">8703034</a> , PubMed: <a href="#">9278457</a> ). Catalyzes the glutathione-dependent reduction of lipid hydroperoxides, such as 5-HPETE (PubMed: <a href="#">23409838</a> , PubMed: <a href="#">9278457</a> ). Has glutathione transferase activity, toward xenobiotic electrophiles, such as 1-chloro-2, 4-dinitrobenzene (CDNB) (PubMed: <a href="#">23409838</a> , PubMed: <a href="#">8703034</a> ). Also catalyzes the conjugation of leukotriene A4 with reduced glutathione to form leukotriene C4 (LTC4) (PubMed: <a href="#">23409838</a> , PubMed: <a href="#">26656251</a> ). Involved in oxidative DNA damage induced by ER stress and anticancer agents by activating LTC4 biosynthetic machinery in nonimmune cells (PubMed: <a href="#">26656251</a> ).
<b>Cellular Location</b>	Endoplasmic reticulum membrane; Multi-pass membrane protein. Microsome

membrane; Multi- pass membrane protein

## Tissue Location

Liver, spleen, skeletal muscle, heart, adrenals, pancreas, prostate, testis, fetal liver, and fetal spleen. Very low expression in lung, brain, placenta and bone marrow (PubMed:8703034) Abundantly expressed in human umbilical vein endothelial cells (at protein level) (PubMed:11322876).

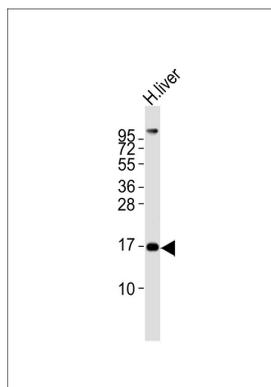
## Background

Can catalyze the production of LTC<sub>4</sub> from LTA<sub>4</sub> and reduced glutathione. Can catalyze the conjugation of 1-chloro-2,4- dinitrobenzene with reduced glutathione.

## References

Jakobsson P.-J.,et al.J. Biol. Chem. 271:22203-22210(1996).  
Ebert L.,et al.Submitted (MAY-2004) to the EMBL/GenBank/DDBJ databases.  
Hillier L.W.,et al.Nature 434:724-731(2005).  
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).

## Images



Anti-MGST2 Antibody at 1:1000 dilution + human liver lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 17 kDa  
Blocking/Dilution buffer: 5% NFD/MTBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.