

**MGST2 Polyclonal Antibody**  
Catalog # AP70935**Specification****MGST2 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q99735</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

**MGST2 Polyclonal Antibody - Additional Information**

Gene ID 4258

**Other Names**

MGST2; GST2; Microsomal glutathione S-transferase 2; Microsomal GST-2; Microsomal GST-II

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**MGST2 Polyclonal Antibody - Protein Information**

Name MGST2

Synonyms GST2

**Function**

Catalyzes several different glutathione-dependent reactions (PubMed: [23409838](http://www.uniprot.org/citations/23409838), PubMed: [26066610](http://www.uniprot.org/citations/26066610), PubMed: [26656251](http://www.uniprot.org/citations/26656251), PubMed: [8703034](http://www.uniprot.org/citations/8703034), PubMed: [9278457](http://www.uniprot.org/citations/9278457)). Catalyzes the glutathione-dependent reduction of lipid hydroperoxides, such as 5-HPETE (PubMed: [23409838](http://www.uniprot.org/citations/23409838), PubMed: [9278457](http://www.uniprot.org/citations/9278457)). Has glutathione transferase activity, toward xenobiotic electrophiles, such as 1-chloro-2, 4-dinitrobenzene (CDNB) (PubMed: [23409838](http://www.uniprot.org/citations/23409838), PubMed: [8703034](http://www.uniprot.org/citations/8703034)). Catalyzes also the conjugation of leukotriene A4 with reduced glutathione to form leukotriene C4 (LTC4) (PubMed: [23409838](http://www.uniprot.org/citations/23409838))

target="\_blank">23409838</a>, PubMed:<a href="http://www.uniprot.org/citations/26656251" target="\_blank">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="http://www.uniprot.org/citations/26656251" target="\_blank">26656251</a>).

#### Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein. Microsome membrane; Multi-pass membrane protein

#### Tissue Location

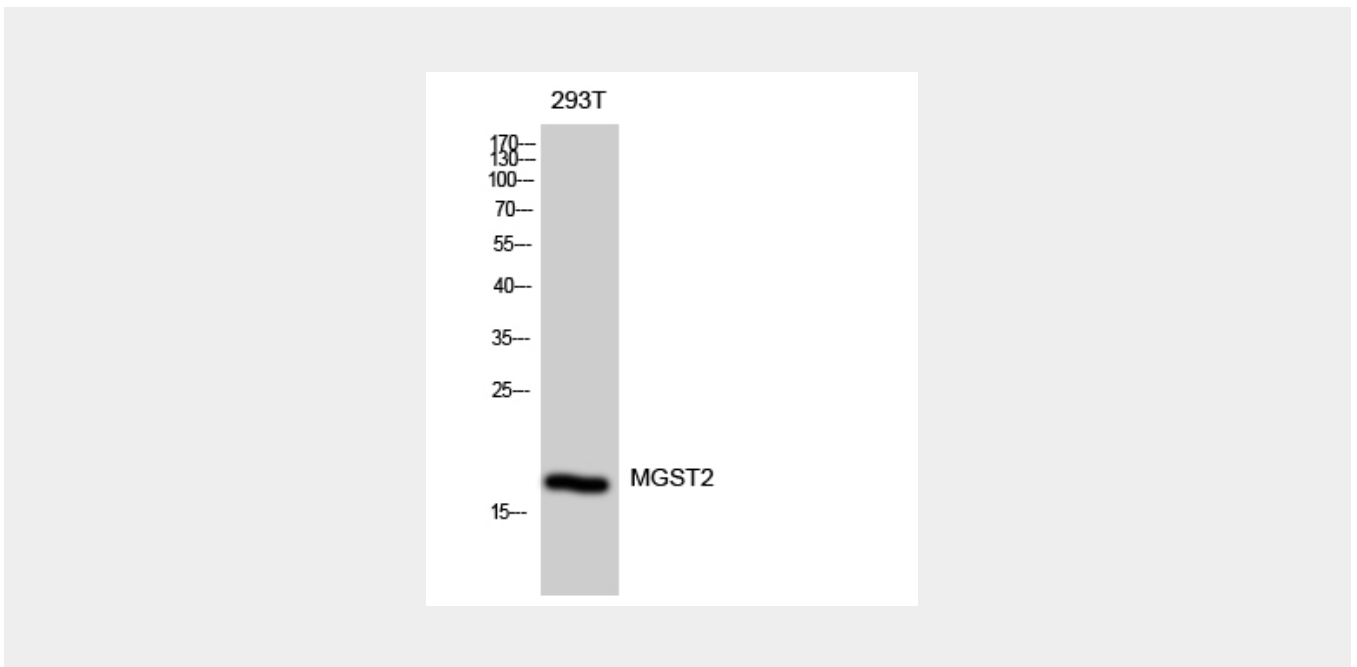
Liver, spleen, skeletal muscle, heart, adrenals, pancreas, prostate, testis, fetal liver, and fetal spleen. Very low expression in lung, brain, placenta and bone marrow (PubMed:8703034) Abundantly expressed in human umbilical vein endothelial cells (at protein level) (PubMed:11322876).

### MGST2 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### MGST2 Polyclonal Antibody - Images



### MGST2 Polyclonal Antibody - Background

Can catalyze the production of LTC4 from LTA4 and reduced glutathione. Can catalyze the conjugation of 1-chloro-2,4- dinitrobenzene with reduced glutathione.