

**MGST1 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP50640**

**Specification**

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**MGST1 Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | <b>WB</b>              |
| Primary Accession | <a href="#">P10620</a> |
| Reactivity        | <b>Human</b>           |
| Host              | <b>Rabbit</b>          |
| Clonality         | <b>Polyclonal</b>      |
| Calculated MW     | <b>18 10 KDa</b>       |
| Antigen Region    | <b>55-78</b>           |

**MGST1 Antibody - Additional Information**

**Gene ID** 4257

**Other Names**

Microsomal glutathione S-transferase 1, Microsomal GST-1, Microsomal GST-I, MGST1, GST12, MGST

**Dilution**

WB~~1:1000

**Format**

Rabbit IgG in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.

**Storage Conditions**

-20°C

**MGST1 Antibody - Protein Information**

**Name** MGST1

**Synonyms** GST12, MGST

**Function**

Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles.

**Cellular Location**

Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:P08011}; Multi-pass membrane protein. Mitochondrion outer membrane {ECO:0000250|UniProtKB:P08011}

**Tissue Location**

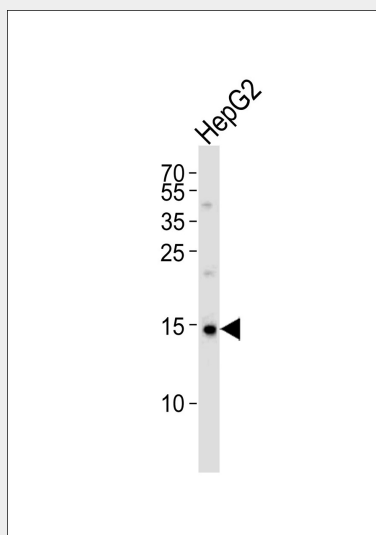
Highly expressed in liver.

## MGST1 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](#)

## MGST1 Antibody - Images



Western blot analysis of lysate from HepG2 cell line, using MGST1 Antibody (AP50640). AP50640 was diluted at 1:1000. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

## MGST1 Antibody - Background

Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. Has a wide substrate specificity.

## MGST1 Antibody - References

- Dejong J.L., et al. *J. Biol. Chem.* 263:8430-8436 (1988).  
Kelner M.J., et al. *Genomics* 36:100-103 (1996).  
Lee S.H., et al. *Biochim. Biophys. Acta* 1446:389-396 (1999).  
Kalnina N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.  
Ota T., et al. *Nat. Genet.* 36:40-45 (2004).