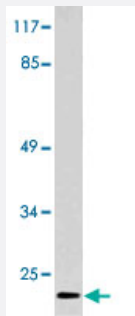


# MGST1 polyclonal antibody

Catalog # PAB25216      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western blot analysis of HeLa cell lysate with MGST1 polyclonal antibody (Cat # PAB25216).

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of MGST1.
<b>Immunogen</b>	A synthetic peptide corresponding to MGST1.
<b>Host</b>	Rabbit
<b>Theoretical MW (kDa)</b>	18
<b>Reactivity</b>	Human
<b>Specificity</b>	MGST1 polyclonal antibody detects endogenous levels of MGST1 protein.
<b>Form</b>	Liquid
<b>Purification</b>	Affinity purification
<b>Concentration</b>	1 mg/mL
<b>Recommend Usage</b>	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, pH 7.2 (0.05% sodium azide)

**Storage Instruction**

Store at 4°C. For long term storage store at -20°C.  
Aliquot to avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western blot analysis of HeLa cell lysate with MGST1 polyclonal antibody (Cat # PAB25216).

## Gene Info — MGST1

**Entrez GeneID**[4257](#)**Gene Name**

MGST1

**Gene Alias**

GST12, MGC14525, MGST, MGST-I

**Gene Description**

microsomal glutathione S-transferase 1

**Omim ID**[138330](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The MAPEG (Membrane Associated Proteins in Eicosanoid and Glutathione metabolism) family consists of six human proteins, two of which are involved in the production of leukotrienes and prostaglandin E, important mediators of inflammation. Other family members, demonstrating glutathione S-transferase and peroxidase activities, are involved in cellular defense against toxic, carcinogenic, and pharmacologically active electrophilic compounds. This gene encodes a protein that catalyzes the conjugation of glutathione to electrophiles and the reduction of lipid hydroperoxides. This protein is localized to the endoplasmic reticulum and outer mitochondrial membrane where it is thought to protect these membranes from oxidative stress. Four transcript variants of this gene encode one protein isoform. [provided by RefSeq]

**Other Designations**

glutathione S-transferase 12

## Pathway

- [Drug metabolism - cytochrome P450](#)
- [Glutathione metabolism](#)
- [Metabolism of xenobiotics by cytochrome P450](#)

## Disease

- [Chronic Disease](#)
- [Colorectal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Macular Degeneration](#)
- [Pancreatitis](#)