

## Product datasheet for **AP21192PU-S**

### Microsomal Glutathione S transferase 1 (MGST1) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	<b>Western blot:</b> 1/500 - 1/1000.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of MGST1 protein. (region surrounding Arg74)
Formulation:	Phosphate buffered saline (PBS), pH 7.2 State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography using epitope-specific immunogen (> 95% pure by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 18 kDa
Gene Name:	microsomal glutathione S-transferase 1
Database Link:	<a href="#">Entrez Gene 4257 Human P10620</a>



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**Background:**

Microsomal glutathione transferase 1 (MGST1) is an abundant protein that catalyzes the conjugation of electrophilic compounds with glutathione, as well as the reduction of lipid hydroperoxides. The level of MGST1 mRNA in rat are highest in liver, while the levels of expression vary in non-hepatic tissues. In addition, the subcellular localization patterns of MGST1 are highly tissue specific. In hepatocytes and bile ducts, MGST1 is localized to the cytoplasm. MGST1 is localized to the nucleus in choroid plexus and primary spermatocytes and displays a granular cytoplasmic staining pattern in the adrenal medulla). Also, focal staining of MGST1 is observed in the distal tubules and collecting ducts of the liver.

**Synonyms:**

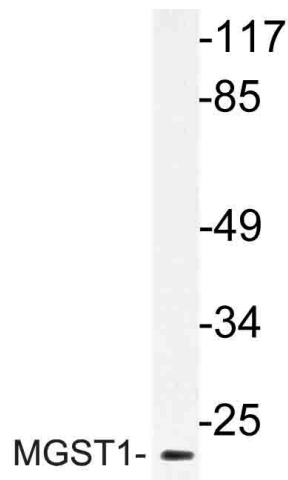
Microsomal GST-1, GST12, MGST

**Protein Families:**

Druggable Genome, Transmembrane

**Protein Pathways:**

Drug metabolism - cytochrome P450, Glutathione metabolism, Metabolism of xenobiotics by cytochrome P450

**Product images:**

Western blot (WB) analysis of MGST1 antibody (Cat.-No.: [AP21192PU-N]) in extracts from HeLa cells.