

DNAxPAb

Hard-to-Find
Antibody

MGST1 DNAxPab

Catalog # H00004257-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human MGST1 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MVDLTQVMDDEVFMAFASYATIILSKMMLMSTATAFYRLTRKVFANPEDCVAFGKGENAKKYLRT DDRVERVRRAHLNDLENIIPFLGIGLLYSLSGPDPSTAILHFRLFVGARIYHTIAYLTPLPQPNRALSFF VGYGVTLSMAYRLLKSKLYL
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — MGST1

Entrez GeneID [4257](#)

GeneBank Accession# [NM_020300.3](#)

Protein Accession# [NP_064696.1](#)

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](#)