

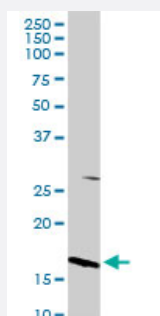
MaxPab®

MGST1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00004257-D01P

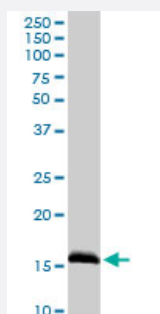
Size 100 ug

Applications



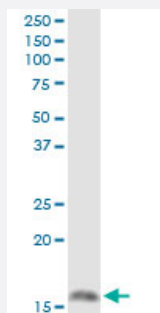
Western Blot (Tissue lysate)

MGST1 MaxPab rabbit polyclonal antibody. Western Blot analysis of MGST1 expression in mouse kidney.



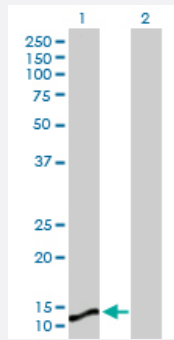
Western Blot (Tissue lysate)

MGST1 MaxPab rabbit polyclonal antibody. Western Blot analysis of MGST1 expression in human liver.



Western Blot (Cell lysate)

MGST1 MaxPab rabbit polyclonal antibody. Western Blot analysis of MGST1 expression in HepG2.



Western Blot (Transfected lysate)

Western Blot analysis of MGST1 expression in transfected 293T cell line ([H00004257-T02](#)) by MGST1 MaxPab polyclonal antibody.

Lane 1: MGST1 transfected lysate(17.60 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human MGST1 protein.
Immunogen	MGST1 (NP_064696.1, 1 a.a. ~ 155 a.a) full-length human protein.
Sequence	MVDLTQVMDDEVFMAFASYATIILSKMMLMSTATAFYRLTRKVFANPEDCVAFGKGENAKKYLRT DDRVERVRRAHLNDLENIIPFLGIGLLYSLSGPDPTAILHFRLFVGARIYHTIAYLTPLPQPNRALSFF VGYGVTLSMAYRLLKSKLYL
Host	Rabbit
Reactivity	Human, Mouse
Interspecies Antigen Sequence	Mouse (83); Rat (83)
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 (Tissue lysate)

MGST1 MaxPab rabbit polyclonal antibody. Western Blot analysis of MGST1 expression in mouse kidney.

[Protocol Download](#)

- Western Blot (Tissue lysate)

MGST1 MaxPab rabbit polyclonal antibody. Western Blot analysis of MGST1 expression in human liver.

[Protocol Download](#)

- Western Blot (Cell lysate)

MGST1 MaxPab rabbit polyclonal antibody. Western Blot analysis of MGST1 expression in HepG2.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of MGST1 expression in transfected 293T cell line ([H00004257-T02](#)) by MGST1 MaxPab polyclonal antibody.

Lane 1: MGST1 transfected lysate(17.60 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

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](#)