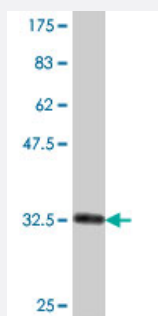


MGST3 polyclonal antibody (A01)

Catalog # H00004259-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (32.38 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant MGST3.
Immunogen	MGST3 (NP_004519, 28 a.a. ~ 84 a.a) partial recombinant protein with GST tag.
Sequence	NVSKARKKYKVEYPIMYSTDPENGHIFNCIQRAHQNTLEVYPPFLFFLAVGGVYHPR
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (32.38 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — MGST3

Entrez GeneID	4259
GeneBank Accession#	NM_004528
Protein Accession#	NP_004519
Gene Name	MGST3
Gene Alias	GST-III
Gene Description	microsomal glutathione S-transferase 3
Omim ID	604564
Gene Ontology	Hyperlink
Gene Summary	The MAPEG (Membrane Associated Proteins in Eicosanoid and Glutathione metabolism) family consists of six human proteins, several of which are involved the production of leukotrienes and prostaglandin E, important mediators of inflammation. This gene encodes an enzyme which catalyzes the conjugation of leukotriene A4 and reduced glutathione to produce leukotriene C4. This enzyme also demonstrates glutathione-dependent peroxidase activity towards lipid hydroperoxides. [provided by RefSeq]
Other Designations	OTTHUMP00000032567 OTTHUMP00000032600 microsomal GST-3 microsomal GST-III microsomal glutathione S-transferase III

Publication Reference

- [MAPEG expression in mouse embryonic stem cell-derived hepatic tissue system.](#)

Yijia L, Danyan Z, Yue D, Meiyuan G, Xin H, Kuifen M, Yu Y.

Stem Cells and Development 2008 Mar; 17(4):775.

Application: WB, Mouse, Mouse embryonic stem cells, embryoid bodies, endothelial cells, liver, heart

- [Increased Leukotriene C4 Synthesis Accompanied Enhanced Leukotriene C4 Synthase Expression and Activities of Ischemia-Reperfusion-Injured Liver in Rats.](#)

Yang SL, Huang X, Chen HF, Xu D, Chen LJ, Kong Y, Lou YJ.

The Journal of Surgical Research 2007 Mar; 140(1):36.

Application: IHC-P, WB-Ti, Rat, Ischemia-Reperfusion-Injured Liver in Rats

- [Sodium nitroprusside decreased leukotriene C4 generation by inhibiting leukotriene C4 synthase expression and activity in hepatic ischemia-reperfusion injured rats.](#)

Yang SL, Lou YJ.

Biochemical pharmacology 2006 Nov; 73(5):724.

Application: WB, Rat, Hepatic I/R injury rats

Pathway

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

Disease

- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Osteoporosis](#)
- [Tobacco Use Disorder](#)