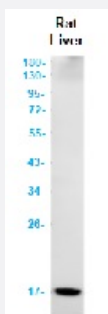


RecomAb™

MGST1 recombinant monoclonal antibody, clone R06-1E9

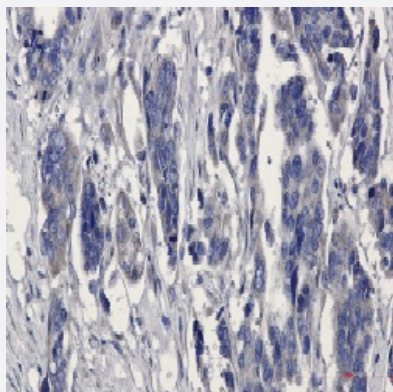
Catalog # RAB01732 Size 100 uL

Applications



Western Blot

Western blot analysis of Microsomal GST1 in rat Liver lysates using human MGST1 recombinant monoclonal antibody, clone R06-1E9 (Cat # RAB01732).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry (Formalin-fixed paraffin-embedded sections) of Human Cholangiocarcinoma with Microsomal Glutathione S-transferase 1 recombinant monoclonal antibody, clone R06-1E9 (Cat # RAB01732).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against synthetic peptide of human Microsomal Glutathione S-transferase 1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human Microsomal Glutathione S-transferase 1
Theoretical MW (kDa)	Calculated MW: 18 kD

Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1,000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C for short term. 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

Western blot analysis of Microsomal GST1 in rat Liver lysates using human MGST1 recombinant monoclonal antibody, clone R06-1E9 (Cat # RAB01732).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry (Formalin-fixed paraffin-embedded sections) of Human Cholangiocarcinoma with Microsomal Glutathione S-transferase 1 recombinant monoclonal antibody, clone R06-1E9 (Cat # RAB01732).

Gene Info — MGST1

Entrez GeneID	4257
Protein Accession#	P10620
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](#)