Product Name: **Microsomal Glutathione S-transferase 1 Rabbit Monoclonal Antibody**
Catalog #: **AMRe86398**
For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,ICC/IF
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:1000-1:5000,ICC/IF 1:100-1:200
Molecular Weight	Calculated MW:18 kDa; Observed MW:18 kDa

Antigen Information

Gene Name	Microsomal Glutathione S-transferase 1
Alternative Names	MGST; PMAN; GST12; MGST-I
Gene ID	4257
SwissProt ID	P10620
Immunogen	A synthetic peptide of human Microsomal Glutathione S-transferase 1

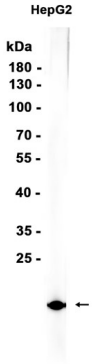
Background

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. Several transcript variants, some non-protein coding and some protein coding, have been found for this gene. [provided by RefSeq, May 2012]

Research Area

Image Data



Western blot analysis of extracts from HepG2 cells using Microsomal Glutathione S-transferase 1 Rabbit Monoclonal Antibody at 1:1000.