



MGST1 Rabbit mAb

Catalog No	YP-rAb-17776
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Gene Name	MGST1
Protein Name	Microsomal glutathione S-transferase 1
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:200-1:1000; WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15 ° C to -25 ° C/1 year(Do not lower than -25 ° C)
Synonyms	MGST1;Microsomal glutathione S-transferase 1;MGST1 ; GST12 ; MGST ; Microsomal glutathione S-transferase 1 ; Microsomal GST-1 ; Microsomal GST-I
Observed Band	15kD
Calculated Molecular Weight	18kD
Cell Pathway	Microsome . Mitochondrion outer membrane ; Peripheral membrane protein . Endoplasmic reticulum membrane ; Multi-pass membrane protein .
Tissue Specificity	Highly expressed in liver.
Function	Catalytic activity:RX + glutathione = HX + R-S-glutathione.,enzyme regulation:Activated by N-ethylmaleimide, except in the testis.,Function:Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. Has a wide substrate specificity.,similarity:Belongs to the MAPEG family.,subunit:Homotrimer.,tissue specificity:Highly expressed in liver.,
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,





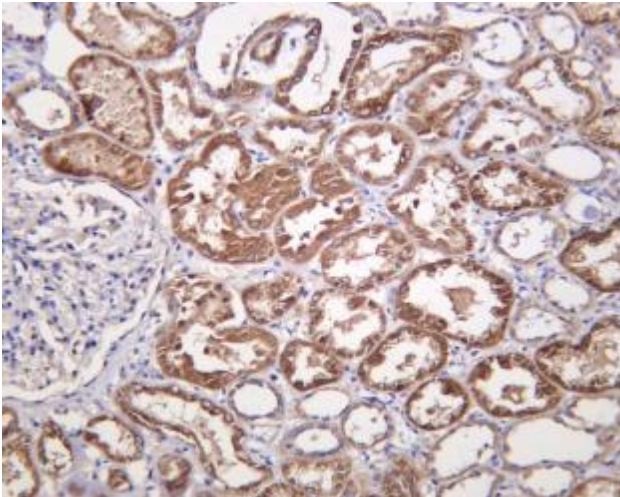
carcinogenic, and pharmacologically active electrophilic compounds. This gene encodes a protein that catalyzes the conjugation of glutathione to electrophiles and the reduction of lipid hydroperoxides. This protein is localized to the endoplasmic reticulum and outer mitochondrial membrane where it is 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].

matters needing attention

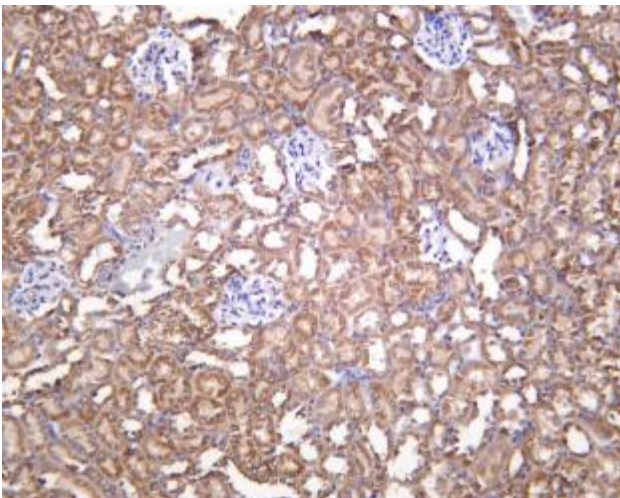
Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

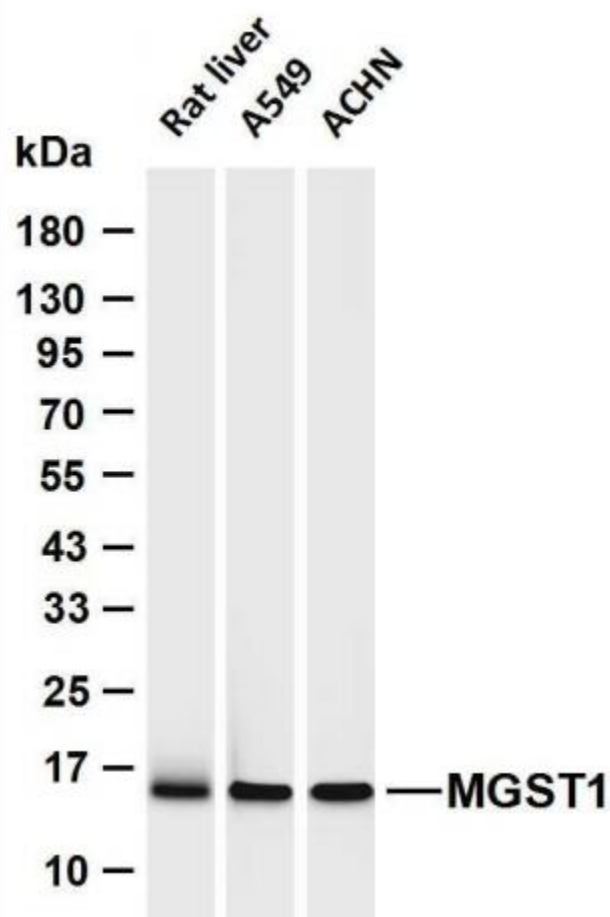


Human kidney was stained with anti-MGST1 Rabbit antibody



Mouse kidney was stained with anti-MGST1 Rabbit antibody





Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-MGST1 antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: Rat liver Lane 2: A549 Lane 3: ACHN
Predicted band size: 18kDa Observed band size: 15kDa

