

Anti-MGST1 Antibody

Catalog # AP61218

Product Information

Application	WB, IF/IC
Primary Accession	P10620
Reactivity	Human, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	17599

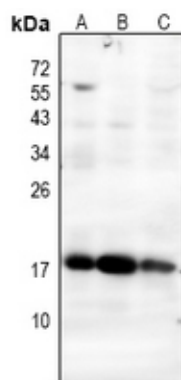
Additional Information

Gene ID	4257
Other Names	GST12; MGST; Microsomal glutathione S-transferase 1; Microsomal GST-1; Microsomal GST-I
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MGST1. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

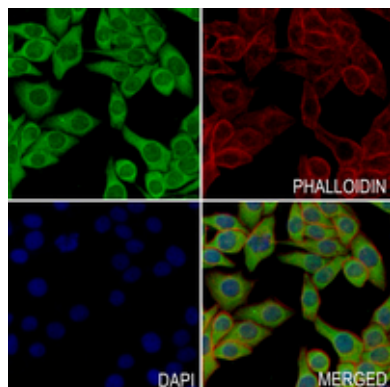
Protein Information

Name	MGST1
Synonyms	GST12, MGST
Function	Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles.
Cellular Location	Endoplasmic reticulum membrane {ECO:0000250 UniProtKB:P08011}; Multi-pass membrane protein. Mitochondrion outer membrane {ECO:0000250 UniProtKB:P08011}
Tissue Location	Highly expressed in liver.

Images



Western blot analysis of MGST1 expression in rat liver (A), HCC827 (B), HepG2 (C) whole cell lysates. (Predicted band size: 17 kD; Observed band size: 18 kD)



Immunofluorescent analysis of MGST1 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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