

MGST2 Polyclonal Antibody

Catalog No :	YT2752
Reactivity :	Human;Mouse
Applications :	WB;ELISA;IHC
Target :	MGST2
Fields :	>>Glutathione metabolism;>>Metabolism of xenobiotics by cytochrome P450;>>Drug metabolism - cytochrome P450;>>Drug metabolism - other enzymes;>>Metabolic pathways;>>Platinum drug resistance;>>Pathways in cancer;>>Chemical carcinogenesis - DNA adducts;>>Chemical carcinogenesis - receptor activation;>>Chemical carcinogenesis - reactive oxygen species;>>Hepatocellular carcinoma;>>Fluid shear stress and atherosclerosis
Gene Name :	MGST2
Protein Name :	Microsomal glutathione S-transferase 2
Human Gene Id :	4258
Human Swiss Prot No :	Q99735
Immunogen :	Synthesized peptide derived from MGST2 . at AA range: 370-450
Specificity :	MGST2 Polyclonal Antibody detects endogenous levels of MGST2 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 17kD

Cell Pathway : Glutathione metabolism;Metabolism of xenobiotics by cytochrome P450;Drug metabolism;

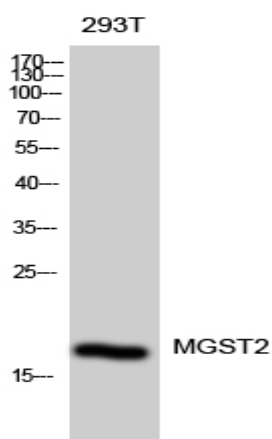
Background : The MAPEG (Membrane Associated Proteins in Eicosanoid and Glutathione metabolism) family consists of six human proteins, several of which are involved in the production of leukotrienes and prostaglandin E, important mediators of inflammation. This gene encodes a protein which catalyzes the conjugation of leukotriene A4 and reduced glutathione to produce leukotriene C4. Alternatively spliced transcript variants encoding different isoforms have been identified in this gene. [provided by RefSeq, Feb 2011],

Function : catalytic activity:RX + glutathione = HX + R-S-glutathione.,function:Can catalyze the production of LTC4 from LTA4 and reduced glutathione. Can catalyze the conjugation of 1-chloro-2,4-dinitrobenzene with reduced glutathione.,similarity:Belongs to the MAPEG family.,subunit:Homotrimer.,tissue specificity:Liver, spleen, skeletal muscle, heart, adrenals, pancreas, prostate, testis, fetal liver, and fetal spleen. Very low expression in lung, brain, placenta and bone marrow.,

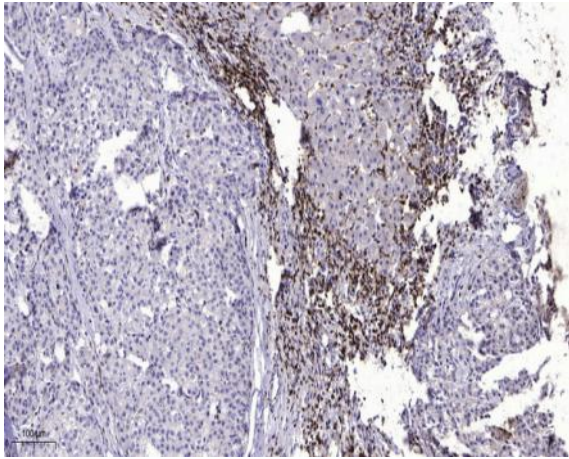
Subcellular Location : Endoplasmic reticulum membrane ; Multi-pass membrane protein . Microsome membrane ; Multi-pass membrane protein .

Expression : Liver, spleen, skeletal muscle, heart, adrenals, pancreas, prostate, testis, fetal liver, and fetal spleen. Very low expression in lung, brain, placenta and bone marrow (PubMed:8703034). Abundantly expressed in human umbilical vein endothelial cells (at protein level) (PubMed:11322876).

Products Images



Western Blot analysis of 293T cells using MGST2 Polyclonal Antibody diluted at 1:2000



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).