

Anti-GSTM1 Antibody

Catalog # AP52008

Product Information

Application	WB, IHC
Primary Accession	P09488
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25712

Additional Information

Gene ID	2944
Other Names	GST1; Glutathione S-transferase Mu 1; GST HB subunit 4; GST class-mu 1; GSTM1-1; GSTM1a-1a; GSTM1b-1b; GTH4
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human GSTM1. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IHC~~1:100~500
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

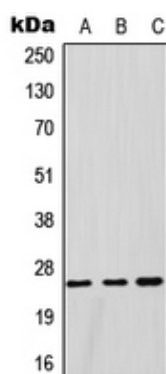
Protein Information

Name	GSTM1 (HGNC:4632)
Synonyms	GST1
Function	Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. Involved in the formation of glutathione conjugates of both prostaglandin A2 (PGA2) and prostaglandin J2 (PGJ2) (PubMed: 9084911). Participates in the formation of novel hepoxilin regioisomers (PubMed: 21046276).
Cellular Location	Cytoplasm.
Tissue Location	Liver (at protein level).

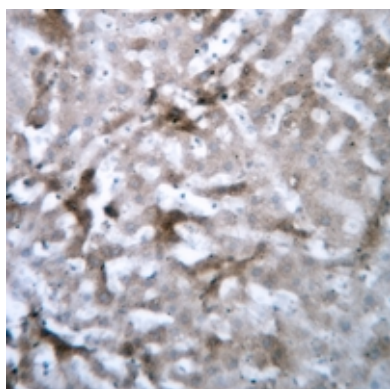
References

Dejong J.L.,et al.Nucleic Acids Res. 16:8541-8554(1988).
Seidegaard J.,et al.Proc. Natl. Acad. Sci. U.S.A. 85:7293-7297(1988).
Chen P.,et al.Submitted (DEC-2003) to the EMBL/GenBank/DDBJ databases.
Chen P.,et al.Submitted (JAN-2004) to the EMBL/GenBank/DDBJ databases.
Halleck A.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.

Images



Western blot analysis of GSTM1 expression in HeLa (A), HepG2 (B), rat testis (C) whole cell lysates. (Predicted band size: 25 kD; Observed band size: 28 kD)



Immunohistochemical analysis of GSTM1 staining in rat liver formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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