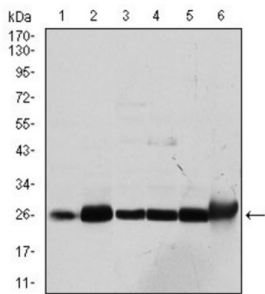
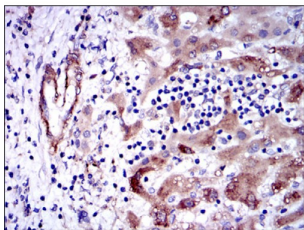


Glutathione S Transferase Mu 1 (GSTM1) Antibody

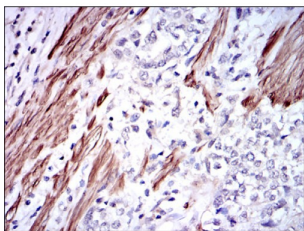
Catalogue No.:abx010622



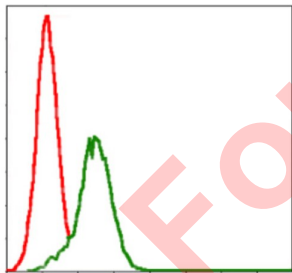
Western blot analysis using GSTM1 antibody against human GSTM1 (AA: 23-181) recombinant protein. (Expected MW is 25.7 kDa).



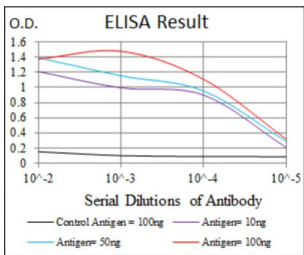
Western blot analysis using GSTM1 antibody against Cos7 (1), MCF-7 (2), Jurkat (3), Hela (4), HL7702 (5) and HepG2 (6) cell lysate.



Immunohistochemical analysis of paraffin-embedded rectum cancer tissues using GSTM1 antibody with DAB staining.



Immunohistochemical analysis of paraffin-embedded liver cancer tissues using GSTM1 antibody with DAB staining.



Flow cytometric analysis of Jurkat cells using GSTM1 antibody (green) and negative control (red).

Datasheet

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Cytosolic and membrane-bound forms of glutathione S-transferase are encoded by two distinct supergene families. At present, eight distinct classes of the soluble cytoplasmic mammalian glutathione S-transferases have been identified: alpha, kappa, mu, omega, pi, sigma, theta and zeta. This gene encodes a glutathione S-transferase that belongs to the mu class. The mu class of enzymes functions in the detoxification of electrophilic compounds, including carcinogens, therapeutic drugs, environmental toxins and products of oxidative stress, by conjugation with glutathione. The genes encoding the mu class of enzymes are organized in a gene cluster on chromosome 1p13.3 and are known to be highly polymorphic. These genetic variations can change an individual's susceptibility to carcinogens and toxins as well as affect the toxicity and efficacy of certain drugs. Null mutations of this class gene have been linked with an increase in a number of cancers, likely due to an increased susceptibility to environmental toxins and carcinogens. Multiple protein isoforms are encoded by transcript variants of this gene.

Target:	Glutathione S Transferase Mu 1 (GSTM1)
Clonality:	Monoclonal
Reactivity:	Human, Monkey
Tested Applications:	ELISA, WB, IHC, FCM
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, WB: 1/500 - 1/2000, IHC: 1/200 - 1/1000, FCM: 1/200 - 1/400. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of human GSTM1 expressed in E. coli.
Isotype:	IgG ₁
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P09488 (UniProt , ExPASy)
GeneID:	2944
KEGG:	hsa:2944
String:	9606.ENSP00000311469
Molecular Weight:	26 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.

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Concentration: Not determined.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only