

Rabbit anti-Human, mouse GSTM1 Polyclonal Antibody | anti-GSTM1 antibody

GSTM1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289907	Rabbit	Human, mouse	Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA

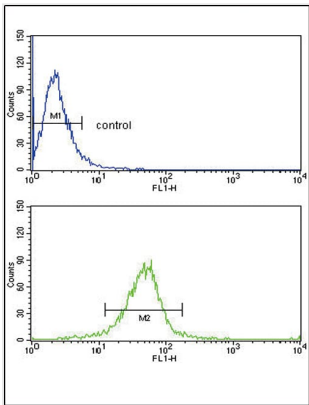
PRODUCT SYNONYMS

GSTM1; Polyclonal Antibody; GSTM1 Antibody (C-term); Glutathione S-transferase Mu 1; GST HB subunit 4; GST class-mu 1; GSTM1-1; GSTM1a-1a; GSTM1b-1b; GTH4; GST1; anti-GSTM1 antibody

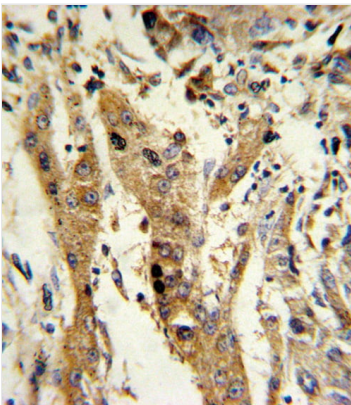
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GSTM1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 184-211 amino acids from the C-terminal region of human GSTM1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	184-211
Sequence Length	181
Applicable Applications for anti-GSTM1 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

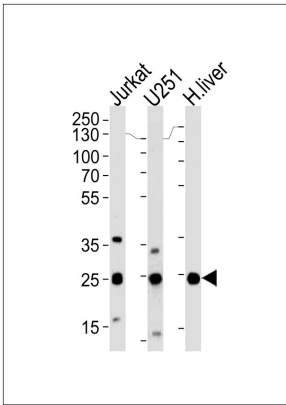
IMAGES



FCM/FACS (Flow Cytometry)
GSTM1 Antibody (C-term) flow cytometric analysis of MDA-MB231 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with GSTM1 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of lysates from Jurkat, U251 cell line and human liver tissue (from left to right), using GSTM1 Antibody (C-term). AAA289907 was diluted at 1:1000 at each lane. A goat anti-rabbit (HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-GSTM1 antibody	GSTM1 is 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 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.
Product Categories/Family for anti-GSTM1 antibody	Crown Antibodies; Cell Biology; Metabolism; Signal Transduction
References	Kostyrykina,N.A., et.al., Bull. Exp. Biol. Med. 148 (1), 89-93 (2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	23065544
NCBI GeneID	2944
NCBI Accession #	NP_000552.2; NP_666533.1
NCBI GenBank Nucleotide #	NM_000561.3

UniProt Accession #	P09488; Q5GHG0; Q6FH88; Q8TC98; Q9UC96
Molecular Weight	25712
NCBI Official Full Name	glutathione S-transferase Mu 1 isoform 1
NCBI Official Synonym Full Names	glutathione S-transferase mu 1
NCBI Official Symbol	GSTM1
NCBI Official Synonym Symbols	MU; H-B; GST1; GTH4; GTM1; MU-1; GSTM1-1; GSTM1a-1a; GSTM1b-1b
NCBI Protein Information	glutathione S-transferase Mu 1
UniProt Protein Name	Glutathione S-transferase Mu 1
UniProt Gene Name	GSTM1
UniProt Synonym Gene Names	GST1
UniProt Entry Name	GSTM1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gstm1-antibody-western-blot-flow-cytometry-immunohistochemistry-elisa/289907>