

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

GSTM1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA304163	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

GSTM1; Polyclonal Antibody; GSTM1 antibody; anti-GSTM1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Purified by antigen-affinity chromatography.
Form/Format	Supplied in 0.1M Tris-buffered saline with 20% Glycerol (pH7.0). 0.01% Thimerosal was added as a preservative.
Sequence Length	181
Applicable Applications for anti-GSTM1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Recombinant protein
Immunogen Description	Recombinant protein fragment contain a sequence corresponding to a region within amino acids 1 and 159 of Human GSTM1
Target Name	GSTM1
Preparation and Storage	Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of methanol-fixed HeLa, using GSTM1 antibody at 1: 200 dilution.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded NCI-N87 xenograft, using GSTM1 antibody at 1: 100 dilution.



Application Data

Sample (30 ug of whole cell lysate) A: HeLa 12% SDS PAGE Primary antibody diluted at 1: 1000

ADDITIONAL INFORMATION

Related Product Information for anti-GSTM1 antibody	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 mu 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. [provided by RefSeq]
Product Categories/Family for anti-GSTM1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	18645139
NCBI GeneID	2944
Molecular Weight	21,253 Da
NCBI Official Full Name	Glutathione S-transferase mu 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-immunofluorescence-immunohistochemistry-western-blot-elisa/304163>