

Rabbit GSTM2 Polyclonal Antibody | anti-GSTM2 antibody

GSTM2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326115	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

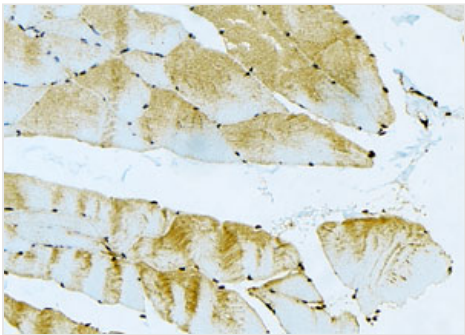
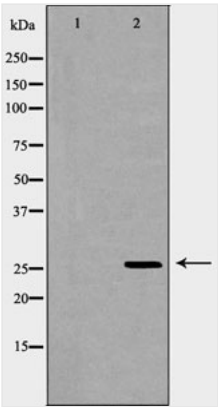
PRODUCT SYNONYMS

GSTM2; Polyclonal Antibody; GSTM2 Antibody; Glutathione S alkyltransferase M2; Glutathione S aralkyltransferase M2; Glutathione S aryltransferase M2; Glutathione S transferase 4; Glutathione S transferase M1; Glutathione S transferase M2 (muscle); Glutathione S transferase Mu 2 (muscle); Glutathione S transferase Mu 2; Glutathione S-transferase Mu 2; GST class mu 2; GST class-mu 2; GST muscle; GST4; GSTM; GSTM2-2; GSTM2_HUMAN; GTHMUS; MGC117303; S (hydroxyalkyl)glutathione lyase M2; anti-GSTM2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GSTM2 antibody detects endogenous levels of total GSTM2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	218
Applicable Applications for anti-GSTM2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GSTM2, corresponding to a region within C-terminal amino acids.
Important	For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326115 at 1/100 staining Mouse muscle tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of Hela whole cell lysates, using GSTM2 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-GSTM2 antibody

Description: 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. [provided by RefSeq, Jul 2008]

Function: Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles.

Subunit Structure: Homodimer.

Similarity: Belongs to the GST superfamily. Mu family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504175
NCBI GeneID	2946
NCBI Accession #	NP_000839.1
NCBI GenBank Nucleotide #	NM_000848.3
UniProt Accession #	P28161; Q2M318; Q5TZY5; Q8WWE1; B4DRY4; E9PEM9
Molecular Weight	26 kDa
NCBI Official Full Name	glutathione S-transferase Mu 2 isoform 1
NCBI Official Synonym Full Names	glutathione S-transferase mu 2
NCBI Official Symbol	GSTM2
NCBI Official Synonym Symbols	GST4; GSTM; GTHMUS; GSTM2-2
NCBI Protein Information	glutathione S-transferase Mu 2
UniProt Protein Name	Glutathione S-transferase Mu 2
UniProt Gene Name	GSTM2
UniProt Synonym Gene Names	GST4

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://www.aaabiotech.com/polyclonal/gstm2-antibody-immunohistochemistry-western-blot-elisa/326115>