

Rabbit GSTM3 Polyclonal Antibody | anti-GSTM3 antibody

GSTM3 antibody - middle region

CATALOG # AAA200301	HOST Rabbit	REACTIVITY Cow, Dog, Horse, Human, Mouse, Pig, Rabbit, Rat	APPLICATIONS Western Blot
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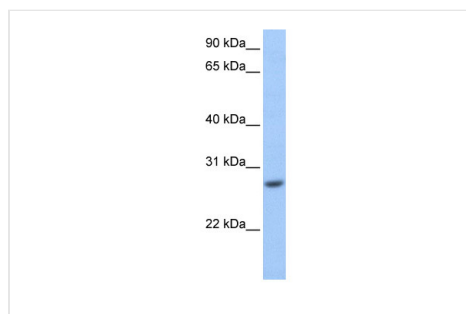
PRODUCT SYNONYMS

GSTM3; Polyclonal Antibody; GSTM3 antibody - middle region; anti-GSTM3 antibody

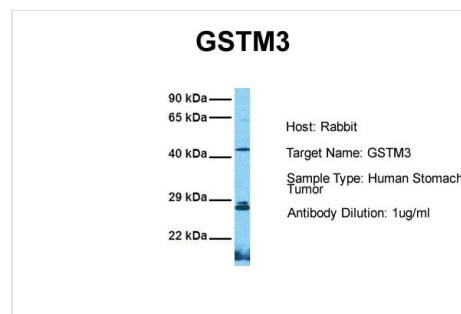
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Horse, Human, Mouse, Pig, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: EE KIRVDIENQ VMDFRTQLIR LCYSSDHEKL KPQYLEELPG QLKQFSMF
Sequence Length	225
Applicable Applications for anti-GSTM3 antibody	WB (Western Blot)
Homology	Cow: 85%; Dog: 77%; Horse: 85%; Human: 100%; Mouse: 79%; Pig: 92%; Rabbit: 86%; Rat: 79%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human GSTM3
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

WB Suggested Anti-GSTM3 Antibody Titration: 0.2-1 ug/ml Positive Control: HepG2 cell lysate


WB (Western Blot)

Host: Rabbit Target Name: GSTM3 Sample Tissue: Human Stomach Tumor Antibody Dilution: 1.0ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-GSTM3 antibody	This is a rabbit polyclonal antibody against GSTM3. It was validated on Western Blot using a cell lysate as a positive control. Target 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. GSTM3 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 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. Mutations of this class mu gene have been linked with a slight increase in a number of cancers, likely due to exposure with environmental toxins.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. Mutations of this class mu gene have been linked with a slight increase in a number of cancers, likely due to exposure with environmental toxins. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Product Categories/Family for anti-GSTM3 antibody	Polyclonal; Neurobiology; Drugs and Drug Metabolism; Disease Related

NCBI AND UNIPROT INFORMATION

NCBI GI #	23065552
NCBI GeneID	2947
NCBI Accession #	NP_000840
NCBI GenBank Nucleotide #	NM_000849
UniProt Accession #	P21266
Molecular Weight	26kDa
NCBI Official Full Name	glutathione S-transferase Mu 3
NCBI Official Synonym Full Names	glutathione S-transferase mu 3
NCBI Official Symbol	GSTM3
NCBI Official Synonym Symbols	GST5; GSTB; GTM3; GSTM3-3
NCBI Protein Information	glutathione S-transferase Mu 3
UniProt Protein Name	Glutathione S-transferase Mu 3
UniProt Gene Name	GSTM3
UniProt Synonym Gene Names	GST5; hGSTM3-3
UniProt Entry Name	GSTM3_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.