

Rabbit anti-Human GSTM5 Polyclonal Antibody | anti-GSTM5 antibody

GSTM5 Antibody (N-term)

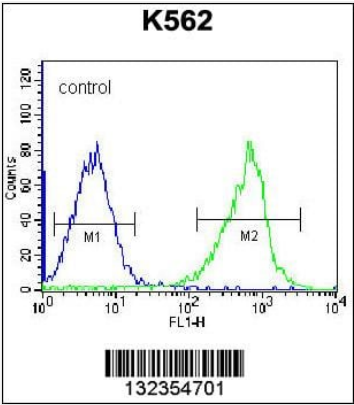
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287324	Rabbit	Human	Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

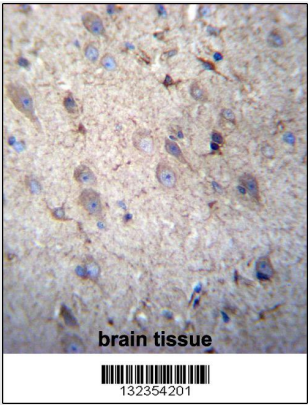
GSTM5; Polyclonal Antibody; GSTM5 Antibody (N-term); Glutathione S-transferase Mu 5; GST class-mu 5; GSTM5-5; anti-GSTM5 antibody

PRODUCT SPECIFICATIONS

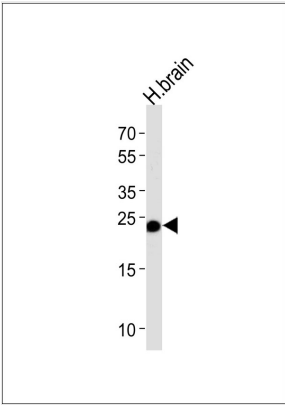
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GSTM5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 14-43 amino acids from the N-terminal region of human GSTM5.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal 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	14-43
Sequence Length	218
Applicable Applications for anti-GSTM5 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
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.



FCM/FACS (Flow Cytometry)
GSTM5 Antibody (N-term) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
GSTM5 Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of GSTM5 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of lysate from human brain tissue lysate, using GSTM5 Antibody (N-term). AAA287324 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-GSTM5 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. Diversification of these genes has occurred in regions encoding substrate-binding domains, as well as in tissue expression patterns, to accommodate an increasing number of foreign compounds.
Product Categories/Family for anti-GSTM5 antibody	Metabolism; Signal Transduction

References	Wang, Y., et al. J. Hum. Genet. 55(8):490-494(2010) Yu, K.D., et al. Breast Cancer Res. Treat. 121(2):485-496(2010) Davila, S., et al. Genes Immun. 11(3):232-238(2010) Moyer, A.M., et al. Cancer Epidemiol. Biomarkers Prev. 19(3):811-821(2010) Saito, A., et al. J. Hum. Genet. 54(6):317-323(2009)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	23065563
NCBI GeneID	2949
NCBI Accession #	NP_000842.2
NCBI GenBank Nucleotide #	NM_000851.3
UniProt Accession #	P46439; Q6PD78; A8K0V8
Molecular Weight	25675
NCBI Official Full Name	glutathione S-transferase Mu 5
NCBI Official Synonym Full Names	glutathione S-transferase mu 5
NCBI Official Symbol	GSTM5
NCBI Official Synonym Symbols	GTM5; GSTM5-5
NCBI Protein Information	glutathione S-transferase Mu 5
UniProt Protein Name	Glutathione S-transferase Mu 5
UniProt Gene Name	GSTM5
UniProt Entry Name	GSTM5_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://www.aaabiotech.com/polyclonal/gstm5-antibody-western-blot-flow-cytometry-immunohistochemistry-elisa/287324>