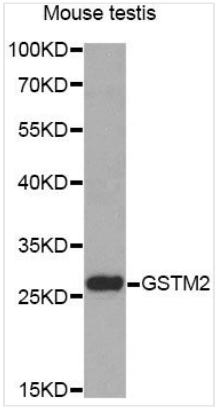
GSTM2 Antibody – Rabbit Polyclonal

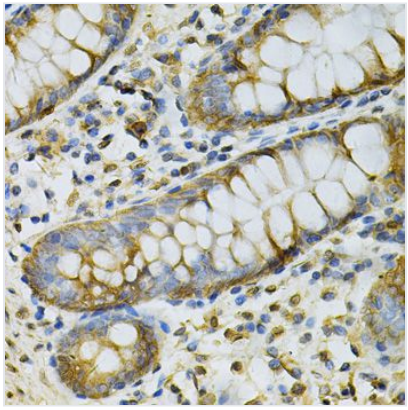
PRODUCT OVERVIEW

Product Name	GSTM2, Polyclonal Antibody
Full Product Name	GSTM2 Polyclonal Antibody
Product Gene Name	anti-GSTM2 antibody
Product Synonym Names	GST4; GSTM; GSTM2-2; GTHMUS
Immunogen Sequence	MPMTLGYWNI RGLAHSIRLL LEYTDSSYEE KKYTMGDAPD YDRSQWLNEK FKLGLDFPNL PYLIDGTHKI TQSNAILRYI ARKHNLCGES EKEQIREDIL ENQFMDSRMQ LAKLCYDPDF EKLKPEYLQA LPEMLKLYSQ FLGKQPWFLG DKITFVDFIA YDVLERNQVF EPSCLDAFPN LKDFISRFEG LEKISAYMKS SRFLPRPVFT KMAVWGNK
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.
Molecular Weight	Calculated: 22kDa; 25kDa Observed: 27kDa
OMIM	M63509 mRNA
3D Structure	ModBase 3D Structure for P28161
Immunogen	Recombinant protein of human GSTM2
Immunogen Species	Human
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Cellular Location	Cytoplasm
Product Categories/Family for anti-GSTM2 antibody	Polyclonal Antibodies
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-GSTM2 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Application Notes for anti-GSTM2 antibody	WB: 1:500 - 1:2000 IHC: 1:50 - 1:200 IF: 1:50 - 1:200
Related Product Information for anti-GSTM2 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.

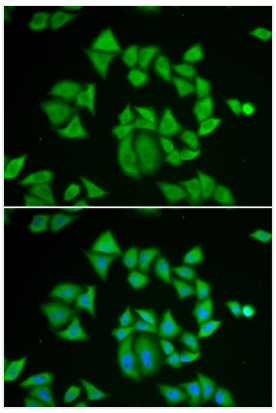
Other Notes	Small volumes of anti-GSTM2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for GSTM2 purchase	MBS9133536 is an antibody targeting GSTM2. Also known as GSTM2 Polyclonal Antibody. Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-GSTM2 antibody
Western blot analysis of extracts of mouse testis, using GSTM2 antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (MBS128200) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.



Immunohistochemistry (IHC) of anti-GSTM2 antibody
Immunohistochemistry of paraffin-embedded human colon using GSTM2 Antibody at dilution of 1:100 (40x lens).



Immunofluorescence (IF) of anti-GSTM2 antibody
Immunofluorescence analysis of A549 cells using GSTM2 antibody. Blue: DAPI for nuclear staining.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GSTM2. It may not necessarily be applicable to this product.

NCBI GI #	4504175
NCBI GeneID	2946
NCBI Accession #	NP_000839.1
UniProt Primary Accession #	P28161
UniProt Secondary Accession #	Q2M318; Q5TZY5; Q8WWE1; B4DRY4; E9PEM9
UniProt Related Accession #	P28161
GenBank Nucleotide #	NM_000848.3
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
UniProt Protein Name	Glutathione S-transferase Mu 2
UniProt Synonym Protein Names	GST class-mu 2; GSTM2-2
Protein Family	Glutathione S-transferase
UniProt Gene Name	GSTM2
UniProt Synonym Gene Names	GST4
NCBI Protein Information	glutathione S-transferase Mu 2
UniProt Comments for GSTM2	Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles.
Research Articles on GSTM2	**1.** The absence of GSTM1 and GSTT1 genes increases the risk of lung cancer because of radon exposure.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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