Datasheet for ABIN2777010

anti-GSTM2 antibody (N-Term)

4 Images

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Overview

Quantity:	100 µL
Target:	GSTM2
Binding Specificity:	N-Term
Reactivity:	Human, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GSTM2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human GSTM2
Sequence:	TQSNAILRYI ARKHNLCGES EKEQIREDIL ENQFMDSRMQ LAKLCYDPDF
Predicted Reactivity:	Human: 100%, Zebrafish: 79%
Characteristics:	This is a rabbit polyclonal antibody against GSTM2. It was validated on Western Blot and immunohistochemistry.
Purification:	Affinity Purified

Target Details

Target:	GSTM2
Alternative Name:	GSTM2 (GSTM2 Products)

Target Details

Background:	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. GSTM2 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.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. Alias Symbols: GST4, GSTM, GSTM2-2, GTHMUS, MGC117303 Protein Interaction Partner: UBC, GSTM3, GSTM2, GSTM1, Protein Size: 218
Molecular Weight:	26 kDa
Gene ID:	2946
NCBI Accession:	NM_000848, NP_000839
UniProt:	P28161
Pathways:	Negative Regulation of Transporter Activity

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Antigen size: 218 AA
Restrictions:	For Research Use only

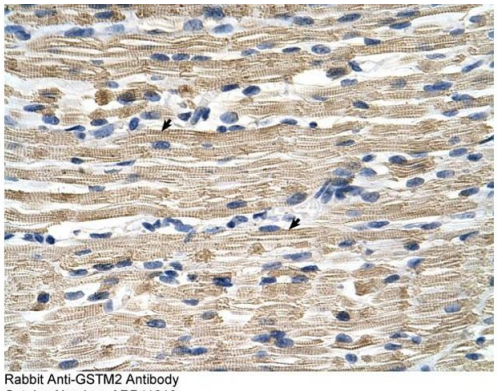
Handling

Format:	Liquid
Concentration:	Lot specific

Handling

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

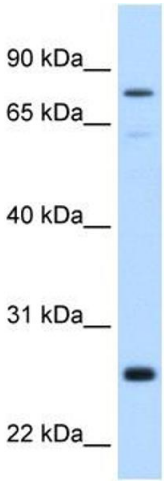
Images



Rabbit Anti-GSTM2 Antibody
Catalog Number: ARP41818
Lot Number: QC12447
Paraffin Embeded Tissue: Human Muscle
Cells with Positive label: Skeletal muscle cells (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X

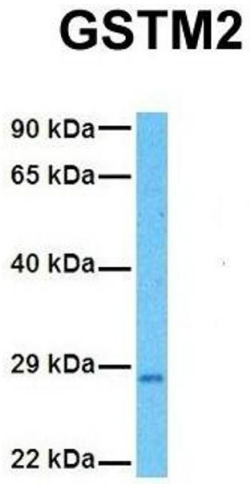
Immunohistochemistry

Image 1. Rabbit Anti-GSTM2 Antibody Paraffin Embedded Tissue: Human Muscle Cellular Data: Skeletal muscle cells Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X



Western Blotting

Image 2. WB Suggested Anti-GSTM2 Antibody Titration: 0.2-1 ug/ml Positive Control: Human Liver



Western Blotting

Image 3. Host: Rabbit Target Name: GSTM2 Sample Tissue: Human Fetal Liver Antibody Dilution: 1.0ug/ml

Please check the product details page for more images. Overall 4 images are available for ABIN2777010.

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