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Datasheet for ABIN390883 anti-GSTM1 antibody (C-Term)

3 Images

1 Publication



Overview

Quantity:	400 µL
Target:	GSTM1
Binding Specificity:	AA 184-211, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GSTM1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	

Immunogen:	This GSTM1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 184-211 amino acids from the C-terminal region of human GSTM1.
Clone:	RB21078
lsotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	GSTM1
Alternative Name:	GSTM1 (GSTM1 Products)

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Target Details		
Background:	GSTM1 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 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.	
Molecular Weight:	25712	
Gene ID:	2944	
NCBI Accession:	NP_000552, NP_666533	
UniProt:	P09488	
Pathways:	Negative Regulation of Transporter Activity	
Application Details		
Application Notes:	WB: 1:1000. IHC-P: 1:10~50. FC: 1:10~50	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which	

Publications

Expiry Date:

Storage Comment:

Storage:

Product cited in:

Engman, Varghese, Lagerstedt Robinson, Malmgren, Hammarsjö, Byström, Lalitkumar,

Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small

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should be handled by trained staff only.

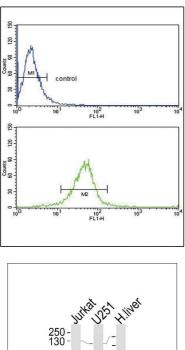
aliquots to prevent freeze-thaw cycles.

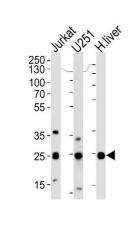
4 °C,-20 °C

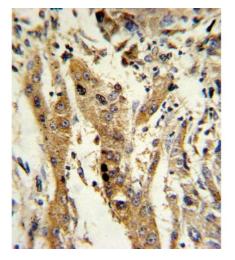
6 months

Gemzell-Danielsson: "GSTM1 gene expression correlates to leiomyoma volume regression in response to mifepristone treatment." in: **PLoS ONE**, Vol. 8, Issue 12, pp. e80114, (2013) (PubMed).

Images







Flow Cytometry

Image 1. GSTM1 Antibody (C-term) (ABIN390883 and ABIN2841095) flow cytometric analysis of MDA-M cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. Western blot analysis of lysates from Jurkat, cell line and human liver tissue (from left to right), using GSTM1 Antibody (C-term) (ABIN390883 and ABIN2841095). (ABIN390883 and ABIN2841095) was diluted at 1:1000 at each lane. A goat anti-rabbit (HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35 µg per lane.

Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with GSTM1 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.

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