

Datasheet for ABIN453073

anti-GSTM1 antibody (C-Term)[Go to Product page](#)**1** Image

Overview

Quantity:	0.4 mL
Target:	GSTM1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GSTM1 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide selected from the C-terminal region of human GSTM
Specificity:	This antibody detects GSTM1 at C-term.
Cross-Reactivity (Details):	Species reactivity (tested): Human, mouse
Purification:	Purified through a protein A column, followed by peptide affinity purification

Target Details

Target:	GSTM1
Alternative Name:	GSTM1 (GSTM1 Products)
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

Target Details

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. Synonyms: GST class-mu 1, GST1, GSTM1-1, GSTM1a-1a, GSTM1b-1b, GTH4, Glutathione S-transferase Mu 1

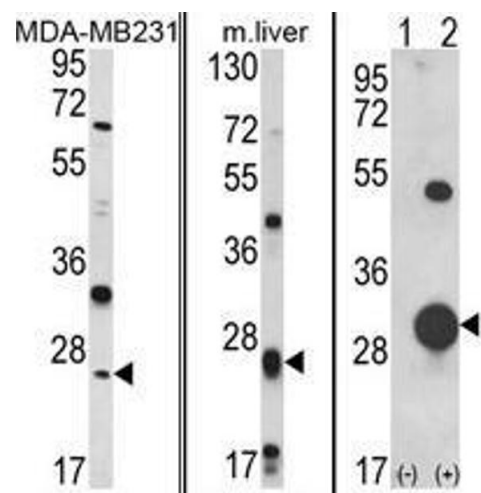
Molecular Weight:	25712 Da
Gene ID:	2944
NCBI Accession:	NP_000552
UniProt:	P09488
Pathways:	Negative Regulation of Transporter Activity

Application Details

Application Notes:	Western blot: 1: 100 - 1: 500. ELISA: 1: 1,000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	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 should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. (LEFT) Western blot analysis of GSTM1 Antibody (C-term) in MDA-MB231 cell line lysates (35 µg/lane).GSTM1 (arrow) was detected using the purified Pab. (MIDDLE) Western blot analysis of GSTM1 Antibody (C-term) in mouse liver tissue lysates (35 µg/lane). GSTM1 (arrow) was detected using the purified Pab. (RIGHT)Western blot analysis of GSTM1 (arrow) using rabbit polyclonal GSTM1 Antibody (C-term) . 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the GSTM1 gene (Lane 2).