

Datasheet for ABIN7436972
anti-GSTM1 antibody (AA 1-218)



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8 Images

Overview

Quantity:	100 µL
Target:	GSTM1
Binding Specificity:	AA 1-218
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GSTM1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Polyclonal Antibody to Glutathione S Transferase Mu 1 (GSTM1)
Immunogen:	Recombinant Glutathione S Transferase Mu 1 (GSTM1) corresponding to Met1~Lys218 with N-terminal His Tag
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against GSTM1. It has been selected for its ability to recognize GSTM1 in immunohistochemical staining and western blotting.
Cross-Reactivity:	Mouse
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Target Details

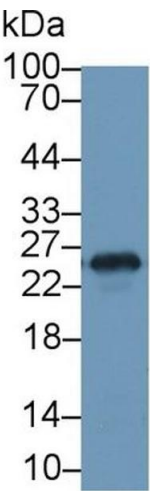
Target:	GSTM1
Alternative Name:	Glutathione S Transferase Mu 1 (GSTM1 Products)
Background:	GST-M1, GST1, GSTM1-1, GSTM1a-1a, GSTM1b-1b, GTH4, GTM1, H-B, MU1, GST HB subunit 4
Pathways:	Negative Regulation of Transporter Activity

Application Details

Application Notes:	Western blotting: 0.5-2 µg/mL 1:300-1200 Immunohistochemistry: 5-20 µg/mL 1:30-120 Immunocytochemistry: 5-20 µg/mL 1:30-120 Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

Handling

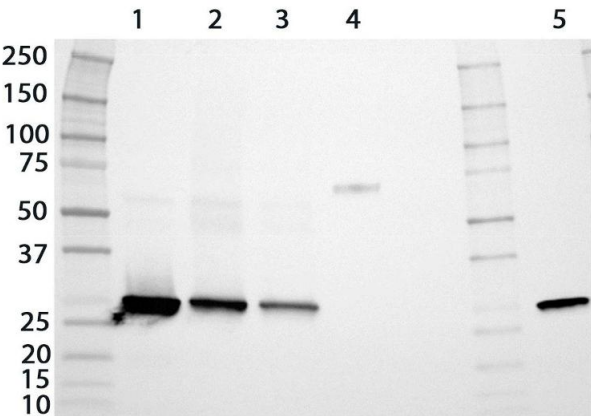
Format:	Liquid
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 50 % glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



Western Blotting

Image 1. Detection of GSTM1 in Rat Liver lysate using Polyclonal Antibody to Glutathione S Transferase Mu 1 (GSTM1)

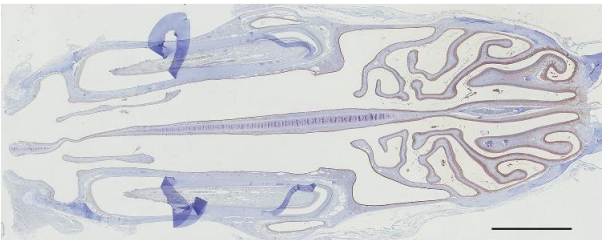
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Western Blotting

Image 2. Expression analysis of rat GSTs of the mu and alpha classes.(A) Western blot analysis of rat GST expression using antibodies against GSTM1, (B) GSTM4 and (C) GSTA1. The different blots include two fractions of the supernatant of the OE lysate (extract S1 for lane 1 and extract S2 for lane 2, all panels), the pellet of the OE lysate (extract C for lane 3, all panels), the nasal mucus (lane 4) and the purified recombinant rat GSTM2 (100 ng) (lane 5, panel A and B) or the purified recombinant human GSTA1 (100 ng) (lane 5, panel A). The molecular weight markers are indicated on the left of the gels in kDa. - figure provided by CiteAb. Source: PMID31339957

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Immunohistochemistry

Image 3. Immunohistochemistry analysis of the expression of the mu and alpha class GSTs.Histological expression pattern of mu class GSTs using anti-GSTM1 (A), GSTM4 (B) and GSTA1 (C) antibodies. The scale bar is 2300 μm for the three panels. - figure provided by CiteAb. Source: PMID31339957

Please check the [product details page](#) for more images. Overall 8 images are available for ABIN7436972.