Datasheet for ABIN5596926

anti-GSTM1 antibody

1 Image

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Overview

Quantity:	100 µg
Target:	GSTM1
Reactivity:	Schistosoma japonicum
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunoprecipitation (IP)

Product Details

Purpose:	GSTM1 Antibody
Immunogen:	Immunogen: This Protein A purified antibody was prepared by repeated immunizations in mice with M1 Protein Immunogen Type: Recombinant Protein
Clone:	1H7-D8-G5
Isotype:	IgG
Cross-Reactivity (Details):	Reacts specifically with M1 protein.
Characteristics:	Synonyms: mouse anti-GSTM1 antibody, mouse anti-GST-M1 antibody, GST, Glutathione S-Transferases, M1 Antibody, GSTM1
Purification:	This product is purified from roller bottle culture by Protein A chromatography followed by extensive dialysis against the buffer stated above.
Sterility:	Sterile filtered

Target Details

Target:	GSTM1
Alternative Name:	GSTM1 (GSTM1 Products)
Background:	Background: Rockland produces a wide range of human GST antibodies in our laboratories. Select appropriate GST antibodies for your research by isotype, epitope, applications and species reactivity. There are 22 members of the human GST family of proteins. GST is responsible for the conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. The amino acid sequence GST is highly conserved in most organisms including mammals. GSTs proteins are typically homodimeric, with both heterologous GST dimers have been observed. GST monomers have an average molecular weight of approximately 25-28 kDa in size. Note a different form of non-human GST (Glutathione-S-Transferase) is used as a protein expression tag commonly in molecular biology applications. All anti-GST antibodies my not react with recombinant GST-fusion proteins.
UniProt:	P09488
Pathways:	Negative Regulation of Transporter Activity

Application Details

Application Notes:	Immunohistochemistry Dilution: User Optimized Application Note: Anti-GSTM1 antibody has been tested by ELISA and Western Blot. Suitable for most immunological techniques requiring high titer binding and lot-to-lot consistency. Specific conditions for reactivity should be optimized by the end user. Western Blot Dilution: 1:500 - 1:1000 Immunoprecipitation Dilution: User Optimized ELISA Dilution: 1:50,000 - 1:200,000 Other: User Optimized
Restrictions:	For Research Use only

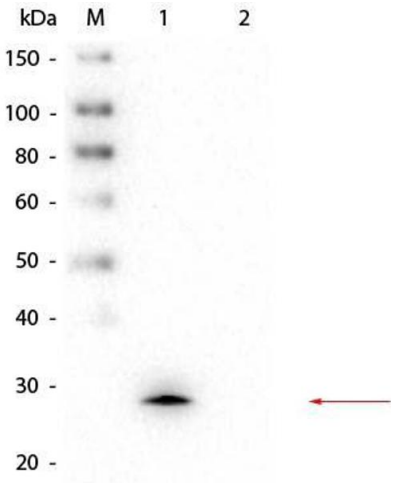
Handling

Format:	Liquid
Concentration:	1.0 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: None Preservative: 0.01 % (w/v) Sodium Azide

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Western Blot of Mouse anti-GSTM1 Monoclonal Antibody. Lane 1: rGSTM1 protein. Lane 2: GST. Load: 50 ng per lane. Primary antibody: Mouse anti-GSTM1 Monoclonal Antibody at 1:1,000 overnight at 4°C. Secondary antibody: Peroxidase conjugated Rb-a-Ms IgG at 1:40,000 for 30 min at RT. Block: ABIN925618 for 30 min at RT. Predicted/Observed size: 27 kDa, 27 kDa for GSTM1.