Datasheet for ABIN5596954

anti-GSTZ1 antibody (GST tag)

2 Images

Go to Product page

Overview

Quantity:	100 µg
Target:	GSTZ1
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GSTZ1 antibody is conjugated to GST tag
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	Immunogen: This Protein A purified antibody was prepared by repeated immunizations in mice with Z1 Protein Immunogen Type: Recombinant Protein
Clone:	24E9-G9-G8
Isotype:	IgG1
Cross-Reactivity (Details):	Cross reactivity from other sources has not been determined.
Characteristics:	Strain: Mouse - Mixed
Purification:	This product is purified from roller bottle culture by Protein A chromatography followed by extensive dialysis against the buffer stated above. Reacts specifically with Z1 protein.

Target Details

Target:	GSTZ1

Target Details

Alternative Name:	GSTZ1 (GSTZ1 Products)
Background:	Synonyms: GST, Glutathione S-Transferases, Z1 Antibody, GSTZ1 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.

Application Details

Application Notes:	Immunohistochemistry Dilution: User Optimized Application Note: This antibody is useful in ELISA and Wetern 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
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:	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

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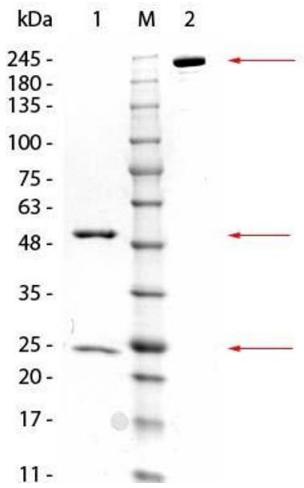
Handling

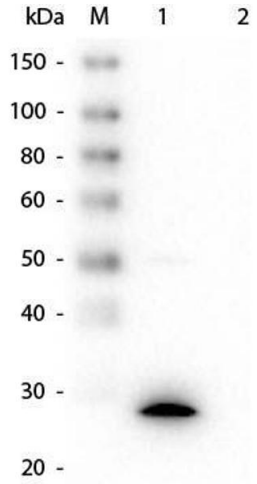
Storage Comment:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months

Images



SDS-PAGE

Image 1. SDS-PAGE of Mouse anti-GSTZ1 Monoclonal Antibody. Lane 1: Reduced Mouse anti-GSTZ1 Monoclonal Antibody. Lane 2: 3 µL OPAL Pre-stained Marker . Lane 3: Non-reduced Mouse anti-GSTZ1 Monoclonal Antibody. Load: 1 µg per lane. Predicted/Observed size: Non-reduced at 160 kDa/observed at 180-200 kDa; Reduced at 55, 25 kDa. Non-reduced migrates at slightly higher molecular weight.



Western Blotting

Image 2. Western Blot of Mouse anti-GSTZ1 Monoclonal Antibody. Lane 1: Recombinant GSTZ1 protein. Lane 2: GST Load: 50 ng per lane. Primary antibody: Mouse anti-GSTZ1 Monoclonal Antibody at 1:1,000 overnight at 4°C. Secondary antibody: HRP Mouse Secondary Antibody at 1:40,000 for 30 min at RT. Block: ABIN925618 for 30 min at RT. Predicted/Observed size: 27 kDa, 27 kDa for GSTZ1.

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