

Datasheet for ABIN5596941
anti-GSTO1 antibody (GST tag)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	GSTO1
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GSTO1 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 O1 Protein Immunogen Type: Recombinant Protein
Clone:	14A9-F6
Isotype:	IgG1
Cross-Reactivity (Details):	Reacts specifically with O1 protein. 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.

Target Details

Target:	GSTO1
Alternative Name:	GSTO1 (GSTO1 Products)
Background:	<p>Synonyms: GST, Glutathione S-Transferases, O1 Antibody, GSTO1</p> <p>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 may not react with recombinant GST-fusion proteins.</p>
Pathways:	Myometrial Relaxation and Contraction , Negative Regulation of Transporter Activity

Application Details

Application Notes:	<p>Immunohistochemistry Dilution: User Optimized</p> <p>Application Note: This antibody is useful in 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.</p> <p>Western Blot Dilution: 1:500 - 1:1000</p> <p>Immunoprecipitation Dilution: User Optimized</p> <p>ELISA Dilution: 1:50,000 - 1:200,000</p>
Restrictions:	For Research Use only

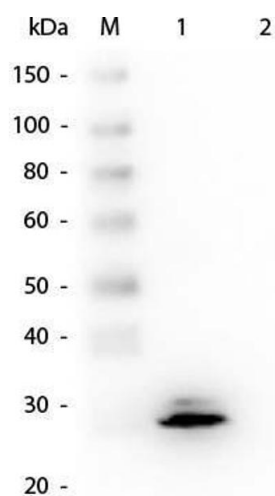
Handling

Format:	Liquid
Concentration:	1.0 mg/mL
Buffer:	<p>Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2</p> <p>Stabilizer: None</p>
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

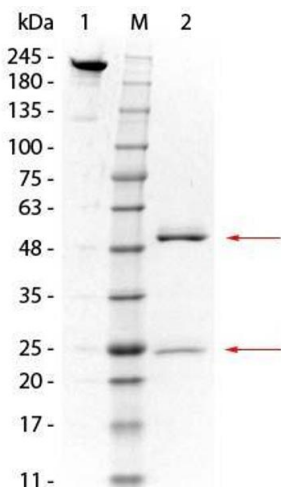
	should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. 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-GSTO1 Monoclonal Antibody. Lane 1: Recombinant GSTO1 protein. Lane 2: GST. Load: 50 ng per lane. Primary antibody: Mouse anti-GSTO1 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 GSTO1.



SDS-PAGE

Image 2. SDS-PAGE of Mouse anti-GSTO1 Monoclonal Antibody. Lane 1: Non-reduced Mouse anti-GSTO1 Monoclonal Antibody. Lane 2: 3 µL OPAL Pre-stained Marker. Lane 3: Reduced Mouse anti-GSTO1 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.