

Datasheet for ABIN5596857  
**anti-GSTK1 antibody (GST tag)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µg
Target:	GSTK1
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GSTK1 antibody is conjugated to GST tag
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunoprecipitation (IP)

## Product Details

Immunogen:	Immunogen: This Protein A purified antibody was prepared by repeated immunizations in mice with K1 Protein. Immunogen Type: Recombinant Protein
Clone:	16A11-E4-E3-E7
Isotype:	IgG2a
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 K1 protein.

## Target Details

Target:	GSTK1
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## Target Details

Alternative Name: GSTK1 ([GSTK1 Products](#))

Background: Synonyms: GST, Glutathione S-Transferases, K1 antibody, GSTK1

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.

## Application Details

Application Notes: Immunohistochemistry Dilution: User Optimized

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.

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.

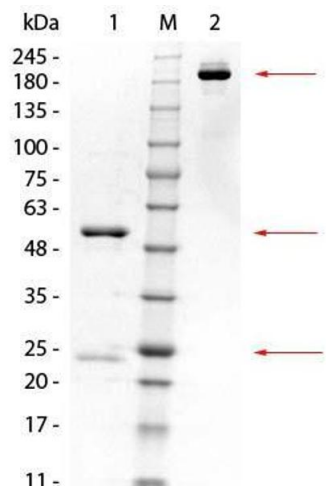
Storage: 4 °C, -20 °C

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.

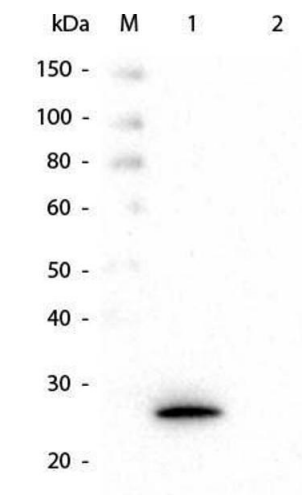
Expiry Date: 12 months

Images



SDS-PAGE

**Image 1.** SDS-PAGE of Mouse anti-GSTK1 Monoclonal Antibody. Lane 1: Reduced Mouse anti-GSTK1 Monoclonal Antibody. Lane 2: 3 µL OPAL Pre-stained Marker . Lane 3: Non-reduced Mouse anti-GSTK1 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-GSTK1 Monoclonal Antibody. Lane 1: Recombinant GSTK1 protein. Lane 2: GST. Load: 50 ng per lane. Primary antibody: Mouse anti-GSTK1 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 GSTK1.