

Datasheet for ABIN964662

anti-GST antibody**2** Images[Go to Product page](#)

Overview

| | |
|--------------|--|
| Quantity: | 100 µg |
| Target: | GST |
| Reactivity: | Schistosoma japonicum |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This GST antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC) |

Product Details

| | |
|------------------|--|
| Immunogen: | The immunogen is full length GST isolated from Schistosoma japonicum. Immunogen Type: NativeProtein |
| Isotype: | IgG |
| Specificity: | This product was prepared from monospecific antiserum by immunoaffinity chromatography using GST coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum as well as purified and partially purified Glutathione-S-Transferase [Schistosoma japonicum]. Cross reactivity against Glutathione-S-Transferase from other sources may occur but has not been specifically determined. |
| Characteristics: | GST (Glutathione-S-Transferase) is a protein expression tag commonly used in molecular biology. Anti-GST will react with synthetic construct present in most known GST containing cloning or expression vectors. GST is responsible for the conjugation of reduced glutathione to |

Product Details

a wide number of exogenous and endogenous hydrophobic electrophiles. The amino acid sequence GST is highly conserved in most organisms including mammals. GST exists as a 26 kDa homodimer.

Purification: affinity purified

Sterility: Sterile filtered

Target Details

Target: GST

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

Background: GST (Glutathione-S-Transferase) is a protein expression tag commonly used in molecular biology. Anti-GST will react with synthetic construct present in most known GST containing cloning or expression vectors. 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. GST exists as a 26 kDa homodimer.

Synonyms: GST, Glutathione-S-Transferase

Application Details

Application Notes: Suitable for ELISA, western blotting and immunohistochemistry as well as other antibody based assays requiring lot-to-lot consistency.

Comment: Lot SH611g

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1.0 mg/mL

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

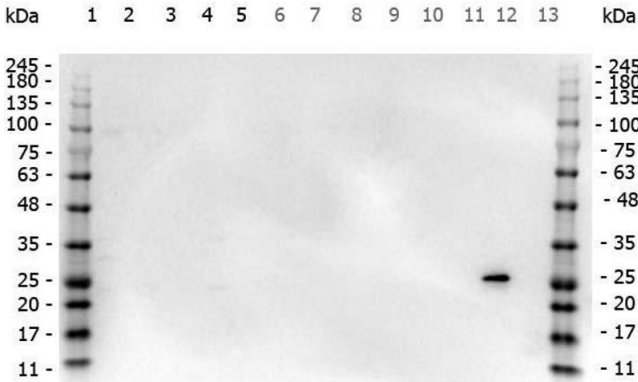
Storage: 4 °C/-20 °C

Handling

Storage Comment: Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. 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. Expiration date is one (1) year from date of opening.

Expiry Date: 12 months

Images



Western Blotting

Image 1. Western Blot of Rabbit anti-GST antibody. Marker: Opal Pre-stained ladder . Lane 1: HEK293 lysate . Lane 2: HeLa Lysate . Lane 3: CHO/K1 Lysate . Lane 4: MDA-MB-231 . Lane 5: A431 Lysate . Lane 6: Jurkat Lysate . Lane 7: NIH/3T3 Lysate . Lane 8: E-coli HCP Control . Lane 9: FLAG Positive Control Lysate Lane 10: Red Fluorescent Protein . Lane 11: Green Fluorescent Protein . Lane 12: Glutathione-S-Transferase Protein Lane 13: Maltose Binding Protein . Load: 10 µg of lysate or 50ng of purified protein per lane. Primary antibody: GST antibody at 1ug/mL overnight at 4C. Secondary antibody: Peroxidase rabbit secondary antibody at 1:30,000 for 60 min at RT. Blocking Buffer: 1% Casein-TTBS for 30 min at RT. Predicted/Observed size: 26 kDa for GST.



Western Blotting

Image 2. Western Blot showing detection of recombinant GST protein (0.25 µg) in lane 2. MW markers are in lane 1. Protein was run on a 4-20% gel, then transferred to 0.45 µm nitrocellulose. After blocking with 1% BSA-TTBS , diluted to 1X) overnight at 4°C, primary antibody was used at 1:1000 at room temperature for 30 min. HRP-conjugated Goat-Anti-Rabbit secondary antibody was used at 1:40,000 in ABIN925618 blocking buffer and imaged on the MP 4000 imaging system (Bio-Rad).