

## Datasheet for ABIN125746 anti-GST-Tag antibody



[Go to Product page](#)

### 1 Image

#### Overview

|              |   |
|--------------|---|
| Quantity:    | 0.1 mg  |
| Target:      | GST-Tag   |
| Reactivity:  | Please inquire                                  |
| Host:        | Mouse   |
| Clonality:   | Monoclonal                                      |
| Conjugate:   | This GST-Tag antibody is un-conjugated          |
| Application: | Western Blotting (WB), Immunoprecipitation (IP) |

#### Product Details

|                             |  |
|-----------------------------|--|
| Immunogen:                  | GST fusion protein   |
| Clone:                      | S-tag-05   |
| Isotype:                    | IgG2b  |
| Specificity:                | The antibody S-tag-05 is a mouse monoclonal antibody with high affinity to the glutathione-S-transferase (GST) from <i>Schistosoma japonicum</i> . This purified antibody is suitable for detecting fusion proteins containing the GST-Tag sequence expressed in <i>E. coli</i> , yeast, mammalian, and <i>in vitro</i> transcription/translation systems. |
| Cross-Reactivity (Details): | Recognizes fusion proteins in all species  |
| Purification:               | Purified by protein-A affinity chromatography.   |
| Purity:                     | > 95 % (by SDS-PAGE)   |

## Target Details

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|                   |   |
|-------------------|---|
| Target:           | GST-Tag   |
| Alternative Name: | GST tag ( <a href="#">GST-Tag Products</a> )  |
| Target Type:      | Tag   |
| Background:       | The GST (glutathione-S-transferase) is a 26 kDa protein encoded by the parasite <i>Schistosoma japonicum</i> , easily purified by affinity chromatography on immobilized glutathione. GST is utilized as a fusion protein with foreign proteins in a range of prokaryotic expression vectors, including the pGEX family of vectors. |

## Application Details

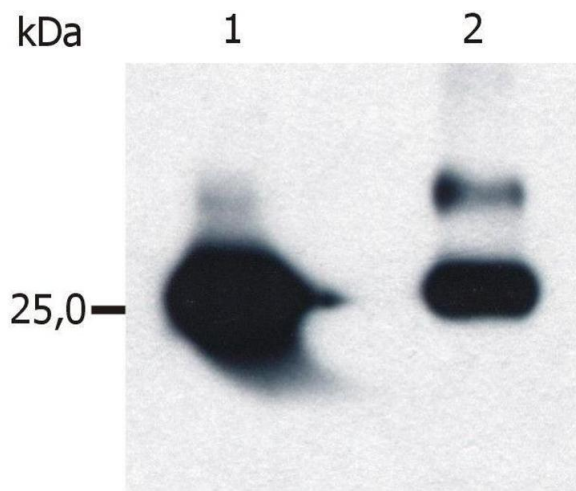
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|                    |   |
|--------------------|---|
| Application Notes: | Western blotting: Recommended dilution: 1 µg/mL, positive control: GST fusion protein, reducing conditions. |
| Restrictions:      | For Research Use only   |

## Handling

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|                    |  |
|--------------------|--|
| Concentration:     | 1 mg/mL  |
| Buffer:            | Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide  |
| Preservative:      | Sodium azide   |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice:   | <b>Do not freeze.</b>  |
| Storage:           | 4 °C   |
| Storage Comment:   | Store at 2-8°C. Do not freeze.   |



#### Western Blotting

**Image 1.** Isolation of Glutathione-S-Transferase (GST) overexpressed in *E. coli*. Western blot was immunostained by anti-GST (S-tag-05). Lane 1: affinity purification of GST from bacterial cell lysate using commercial sorbent Glutathione-Sepharose Lane 2: affinity purification of GST from bacterial cell lysate using immunosorbent prepared from anti-GST (S-tag-02)