

**GST Tag Antibody**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AM1011a**

**Specification**

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**GST Tag Antibody - Product Information**

Application	<b>WB,E</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>Mouse IgG1</b>
Calculated MW	<b>26000 Da</b>

**GST Tag Antibody - Additional Information**

**Other Names**

Glutathione S-transferase

**Target/Specificity**

Purified recombinant GST fusion protein was used to produced this monoclonal antibody.

**Dilution**

WB~~1:2,000

**Format**

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

GST Tag Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**GST Tag Antibody - Protein Information**

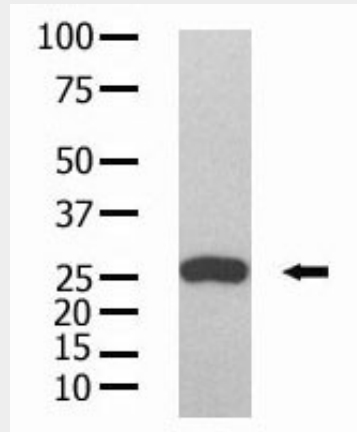
**GST Tag Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

- [Flow Cytometry](#)
- [Cell Culture](#)

### GST Tag Antibody - Images



The anti-GST Mab (Cat. #AM1011a) is used in Western blot to detect GST recombinant protein purified from bacterial lysate.

### GST Tag Antibody - Background

Glutathione S-transferase (GST) was originally cloned from parasite *Schistosoma japonicum* and it is now a widely used protein fusion partner. Vectors containing GST Tag have been developed for both prokaryotic and eukaryotic systems. The GST fusion proteins are easily purified from cell lysates by affinity chromatography using Glutathione Sepharose 4B to elute out the GST fusion protein from the column with a denaturing form of glutathione. Using the Abgent anti-GST antibody provides a simple solution to detect the expression of GST fusion proteins in cells.

### GST Tag Antibody - References

- Smith, D.B. and Johnson, K.S., (1988). *Gene* 67, 31.  
Parker, M.W. et al., (1990) *J. Mol. Biol.* 213, 221.  
Toye, B. et al., (1990) *Infect. Immun.* 58, 3909.  
Guan, K.L. and Dixon, J.E. (1991) *Anal. Biochem.* 192, 262

#### GST Tag Antibody - Citations

- [Functional characterization of an unobtrusive protein, CkMT4, in re-establishing desiccation tolerance in germinating seeds.](#)
- [Receptor for advanced glycation end products \(RAGE\)-mediated cytotoxicity of 3-hydroxypyridinium derivatives.](#)
- [TET1 modulates H4K16 acetylation by controlling auto-acetylation of hMOF to affect gene regulation and DNA repair function.](#)
- [Expression of human Cfdp1 gene in Drosophila reveals new insights into the function of the evolutionarily conserved BCNT protein family.](#)
- [Recruitment of the 4EHP-GYF2 cap-binding complex to tetraproline motifs of tristetraproline promotes repression and degradation of mRNAs with AU-rich elements.](#)
- [Eukaryotic translation elongation factor 1A induces anoikis by triggering cell detachment.](#)
- [Intraflagellar transport \(IFT\) protein IFT25 is a phosphoprotein component of IFT complex B and physically interacts with IFT27 in Chlamydomonas.](#)
- [TorsinA binds the KASH domain of nesprins and participates in linkage between nuclear envelope and cytoskeleton.](#)

