

**GST Tag Antibody**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AW5668**

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**Specification**

**GST Tag Antibody - Product Information**

Application	<b>WB,E</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Calculated MW	<b>45-50KD KDa</b>
Isotype	<b>Mouse IgG1</b>
Antigen Source	<b>HUMAN</b>

**GST Tag Antibody - Additional Information**

**Antigen Region**  
NA

**Other Names**  
Glutathione S-transferase

**Dilution**  
WB~~1:1000

**Target/Specificity**  
Purified recombinant GST fusion protein was used to produced this monoclonal antibody.

**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**

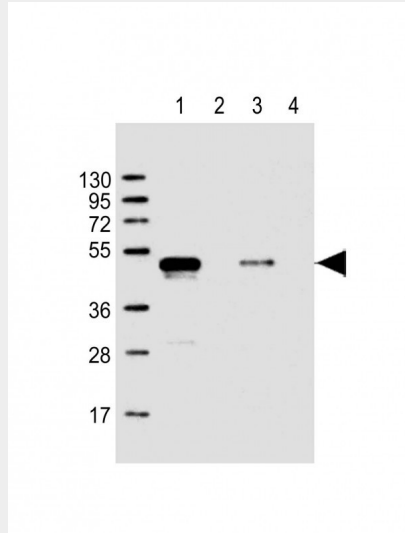
**GST Tag Antibody - Protocols**

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

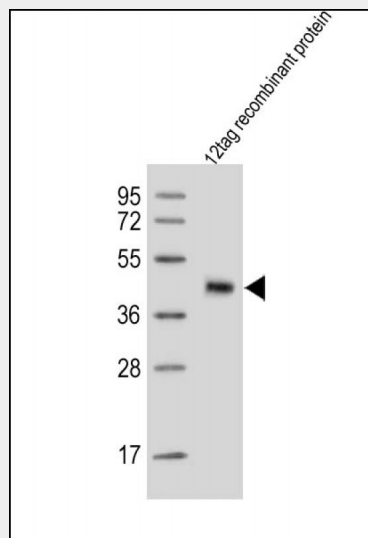
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

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

### GST Tag Antibody - Images



All lanes : Anti-GST Tag Antibody at 1:1000 dilution Lane 1: 293T/17 transfected with 12tag lysate (10ug) Lane 2: Non-transfected 293T/17 lysate (10ug) Lane 3: 293T/17 transfected with 12tag lysate (1ug) Lane 4: Non-transfected 293T/17 lysate (1ug) Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 45-50 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Anti-GST Tag Antibody at 1:1000 dilution + 12tag recombinant protein Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 45-50 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

### 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