

# GST Tag Antibody

Purified Mouse Monoclonal Antibody (Mab)

Catalog # AM1011a

## Product Information

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<b>Application</b>	WB, E
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	Mouse IgG1
<b>Clone Names</b>	9AT106
<b>Calculated MW</b>	26000 Da

## Additional Information

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<b>Other Names</b>	Glutathione S-transferase
<b>Target/Specificity</b>	Purified recombinant GST fusion protein was used to produced this monoclonal antibody.
<b>Dilution</b>	WB~~1:2000 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	GST Tag Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Background

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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.

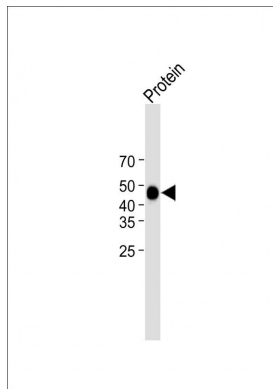
## References

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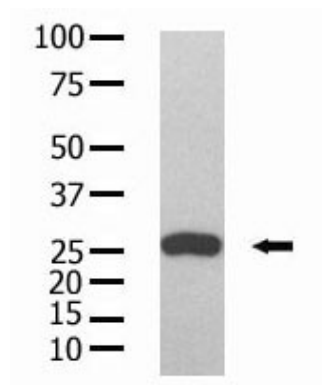
- Smith, D.B. and Johnson, K.S., (1988). *Gene* 67, 31.  
Parker, M.W. et al., (1990) *J. Mol. Biol.* 213, 221.  
Toye, B. et al., (1990) *Infect. Immun.* 58, 3909.

## Images

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All lanes: Anti-GST Antibody at 1:2000 dilution + 12 Tag Recombinant Protein lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Mouse IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 48KDa Blocking/Dilution buffer: 5% NFDM/TBST.



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

## Citations

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- [Functional characterization of an unobtrusive protein, CkMT4, in re-establishing desiccation tolerance in germinating seeds](#)
- [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.](#)
- [Eukaryotic translation elongation factor 1A induces anoikis by triggering cell detachment.](#)
- [Recruitment of the 4EHP-GYF2 cap-binding complex to tetraproline motifs of tristetraprolin promotes repression and degradation of mRNAs with AU-rich elements.](#)
- [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.](#)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.