10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

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

Specification

GST Tag Antibody - Product Information

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

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

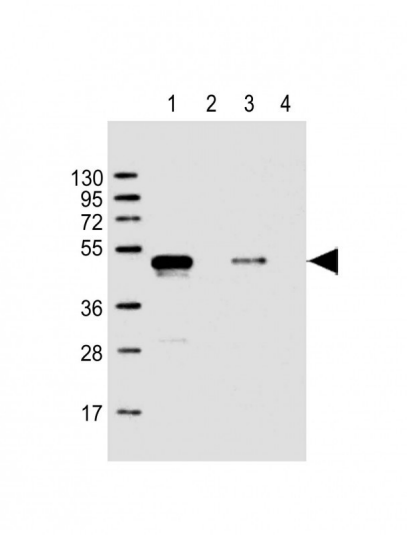
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation

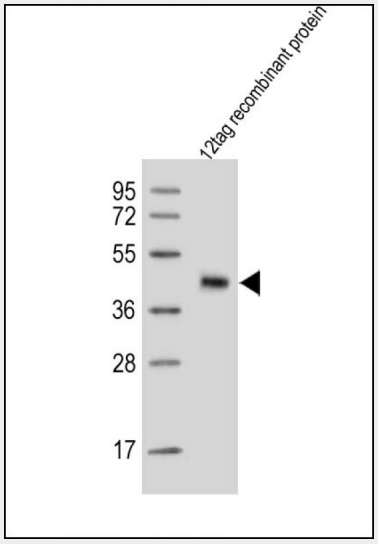
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- Flow Cytomety
- Cell Culture

GST Tag Antibody - Images



All lanes : Anti-GST Tag Antibody at1:1000 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 at1:1000 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