



Genesis Biotech Inc.

website: <http://www.genesisbio.com.tw> e-mail : [info@genesisbio.com.tw](mailto:info@genesisbio.com.tw)

## Anti-GST, Rabbit-Polyclonal Antibody

**Catalog No.** PG-10005    **Quantity:** 250 µl    **Antigen species:**    **Reactivity:**  
**Conjugate:** unconjugated    **Applications tested:** Western Blot, GST pull down  
**Host species:** rabbit    **Type:** polyclonal antibody    **Form:** antiserum

### Target description

Anti-Glutathione S-transferase (GST).

### Antigen

This polyclonal antibody was raised by immunizing mouse with GST fusion protein.

### Application

The antibody specificity was assayed by Western Blot with GST fusion proteins. The antibody titer is more than 10K for ELISA. It has also tested in the application of GST pull down, which protocol is briefly described as follows. The other applications have not tested. However, for the first testing, we recommend 1/10,000 dilution for ELISA, 1/5000 dilution for Western blot analysis (WB) of recombinant protein, 1/4000 dilution for tissue extracts or cell lysates, 1/100 dilution for immunohistochemistry (IHC) staining on frozen cryosections, 1/50 dilution for IHC staining on paraffin embedded sections.

### Related Products

1. Anti-GST mouse mAb (GB-52mA1).
2. Anti-TEM8 pAb (GB-10009).
3. Anti-PRL-3 rabbit mAb (GB-63023).
4. Anti-PRL-3 pAb (GB-10343).
5. Anti-FLJ23603 rabbit mAb (GB-63024).
6. Anti-FLJ23603 pAb (GB-30024).
7. Anti-ZD52F10 pAb (GB-30025).
8. Anti-LOC54675 pAb (GB-30032).

### GST pull-down Procedure

1. Protein A beads washed with 1 X PBS
2. Anti-GST Ig loading to protein A column
3. Column washed with 1 X PBS for 10 times of column volume.
4. Loading with GST fusion protein (5-10 mg/ml)
5. Column washed with 1 X PBS for 10 times of column volume.
6. Loading with protein fractions of interest (2-4 mg/ml)
7. Column washed with 1 X PBS for 10 times of column volume.
8. Eluted with elution buffer (1% glycine, pH=3)

### Storage

It is supplied as antiserum. Store at 4°C for short-term application. For long-term storage, aliquot and store at -20°C.

### References

1. MJ Campbell, P McFall, JE Niederhuber. Production and characterization of a monoclonal antibody against *Shistosoma japonicum* glutathione S-transferase. *J. Immunol. Methods* 188: 73-78, 1995.
2. BO-SHIUN YAN, KIN-MU LEE, SHU-HSIANG LIU, AND WAN-JR SYU. Characterization of Monoclonal Antibodies to the 26-kDa Glutathione S-transferase of *Schistosoma japonicum*. *HYBRIDOMA* 15(6):429-433, 1996.
3. H Zhang, Z Zhu, G Vidanes, D Mbangkollo, Y Liu, W Siede. Characterization of DNA Damage-stimulated Self-interaction of *Saccharomyces cerevisiae* Checkpoint Protein Rad17p. *J. Biol. Chem.* 276(28):26715-26723, 2001.

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