

Anti-GST antibody, rabbit polyclonal

60-022 100 µg

Storage: Store -20°C.

Immunogen: Recombinant full-size GST (aa 1-212)

Form: 1.0 mg/ml IgG fraction of antiserum in PBS- with 50% glycerol

Reactivity: Specific to GST and GST-tagged proteins

Applications:

1. Western blotting (0.1-1µg/ml) 2. Immunoprecipitation (assay dependent) 3. ELISA

Other applications have not been tested.

Background: Glutathione S transferase (GST) from *Schistosoma japonicum* is commonly used to create fusion proteins. GST-tag has the size of 220 amino acids (roughly 26kDa) and is fused to the N-terminus of a protein. GST fusion proteins can be produced in *Escherichia coli*, as recombinant proteins and are used to purify and detect proteins of interest. The GST part binds its substrate, glutathione. GST-fusions protein can be easily purified from cell extracts by affinity chromatography with glutathione resin.

Data Link: NCBI Protein Data [AAA57089](https://www.ncbi.nlm.nih.gov/protein/AAA57089)

Related Products: 60-021 Anti-GST antibody (serum) 60-025 Anti-GST antibody, mouse monoclonal

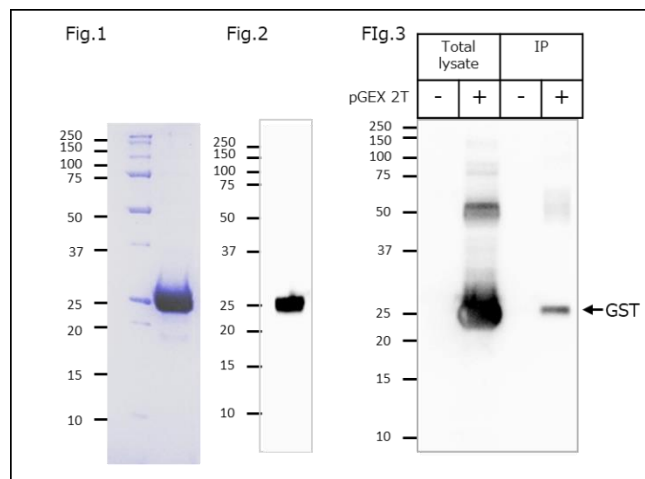


Fig.1

A. SDS-PAGE analysis of 10µg of purified GST by CBB-stain

B. Detection of purified GST with #60-022 by Western blotting.

Applied sample ; 0.1 µg of purified GST
#60-022 anti GST antibody ; 1µg/ml

Fig.2

A. SDS-PAGE analysis of 10µg of purified GST by CBB-stain

B. Detection of 0.1 µg of recombinant GST with 1 µg of #60-022 by Western blotting.

Fig.3

Immunoprecipitation assay of GST expressed E.coli. using Anti-GST antibody (#60-022). GST was immunoprecipitated using 1 µg of the anti GST rabbit monoclonal Antibody (#60-022) from whole lysates (200 µg) of BL21(DE3) using the Protein A/G Dynabeads (Cat. No. 10001D and Cat. No. 10003D).

Western blot analysis was performed using anti GST rabbit polyclonal Antibody (#60-022) at 1µg/ml.

The blot was detected by chemiluminescence.

References:

1. Smith DB & Johnson KS (1988) "Single-step purification of polypeptides expressed in *Escherichia coli* as fusions of glutathione-S-transferase." *Gene* **67**:31-40 PMID: [3047011](#)
2. Kaelin WG Jr *et al* (1991) "Identification of cellular proteins that can interact specifically with the T/E1A-binding region of the retinoblastoma gene product." *Cell* **64**:521-532 PMID: [1825028](#)
3. *Molecular Cloning: A Laboratory Manual* (eds. Sambrook, J., Russell, D.W. Cold Spring Harbor Laboratory Press, Cold Spring Harbor, New York, USA, 2001) pp.15.36-15.39, pp.18.48-18.59.

Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE.