

Anti-GST antibody, rabbit polyclonal

Product code	60-022
Size	100 µg
Storage	-20°C
Concentration	1 mg/ml
Buffer	PBS- with 50% glycerol
Purity	Purified IgG fraction with protein A from rabbit antiserum
Immunogen	Recombinant full-size GST (aa 1-212)
Isotype	Rabbit IgG
Reactivity	Specific to GST and GST-tagged proteins
Special notes	N/A
Application	1. Western blotting (0.1-1µg/ml) 2. Immunoprecipitation (assay dependent) 3. ELISA Other applications have not been tested.
Background	<p>Glutathione S transferase (GST) from <i>Schistosoma japonicum</i> 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 <i>Escherichia coli</i>, 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.</p>
Data Link	NCBI Protein Data AAA57089
Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE.	

Data Images: 60-022 Anti-GST antibody, rabbit polyclonal

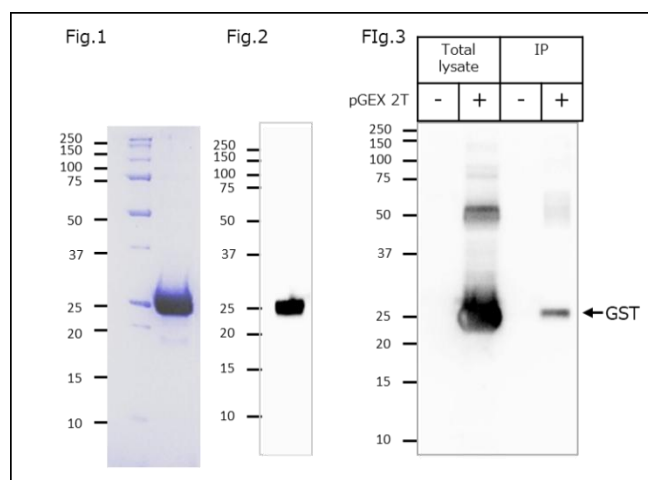


Fig.1 SDS-PAGE analysis of 10µg of purified GST by CBB-stain

Fig.2 Western blot analysis with #60-022

Applied sample ; 0.1 µg of purified GST

First antibody ; #60-022 anti GST antibody ; 1µg/ml

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.