Anti-GST antibody, rabbit polyclonal

Product code	60-022
Size	100 µg
Storage	-20℃
Concentration	1.0 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	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

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

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

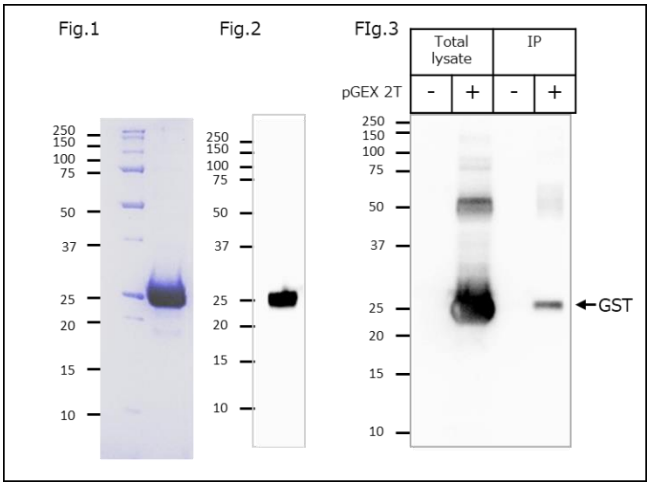

Fig.1

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 ponoclonal Antibody (#60-022) from whole lytates (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.

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