



**POLYCLONAL ANTIBODY**

*For research use only. Not for clinical diagnosis.*

**Catalog No. BAM-60-021-EX**

# Anti-GST

**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](#)

<b>Product type</b>	Primary antibodies
<b>Host</b>	Rabbit
<b>Source</b>	<i>Schistosoma japonicum</i>
<b>Form</b>	Liquid
	Antiserum added with 0.05% sodium azide
<b>Volume</b>	100 µl
<b>Concentration</b>	
<b>Specificity</b>	Specific to GST and GST-tagged proteins
<b>Antigen</b>	Recombinant full-size GST (aa 1-212)
<b>Clone</b>	
<b>Isotype</b>	
<b>Cross reactivity</b>	Specific to GFP and GFP-fused proteins
<b>Storage</b>	-20°C (long period, -70°C)

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**Application notes** WB, IP, ELISA

**Recommended use**

**Recommended dilutions**

Western blotting (dilution: 1/2,000~1/10,000)

Optimal dilutions/concentrations should be determined by the end user.

NCBI Protein Data [AAA57089](#)

**Staining Pattern**

**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.

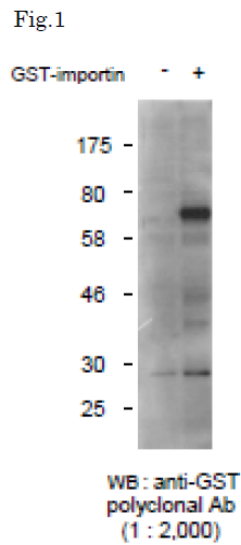


Fig.1 Detection of GST-tagged protein with this antibody by Western blotting.  
(-) Lysate of 293T cells transfected with an empty vector  
(+) Lysate of 293T cells transfected with the plasmid carrying the GST-tagged importin gene

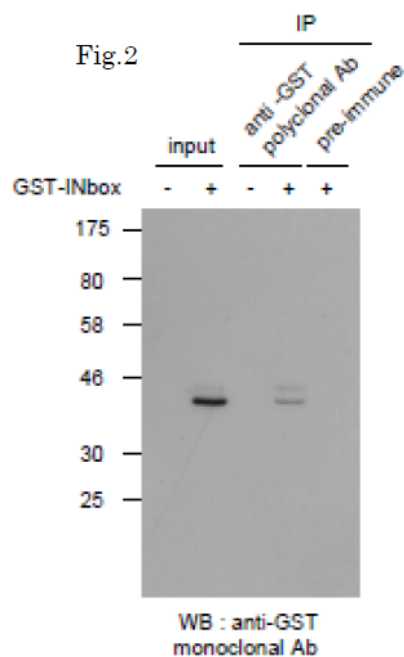


Fig.2 Immunoprecipitation of GST-tagged protein with this antibody followed by Western blotting.  
(-) Lysate of 293T cells transfected with an empty vector  
(+) Lysate of 293T cells transfected with the plasmid carrying the GST-tagged INbox gene

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