

Rev06  
Update: Apr,30,2024

**DATASHEET**

# GST-tag Antibody [HRP], pAb, Rabbit

Cat. No.: A00130

## Overview

<b>Specificity</b>	This antibody can be used to detect GST-fusion proteins in almost expression systems including bacterial expression system, mammalian expression system and other systems.
<b>Host Species</b>	Rabbit
<b>Immunogen</b>	Recombinant Glutathione S-Transferase (GST) from Schistosoma japonicum
<b>Species Reactivity</b>	Schistosoma japonicum
<b>Conjugate</b>	Horseradish peroxidase (HRP)

## Applications

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

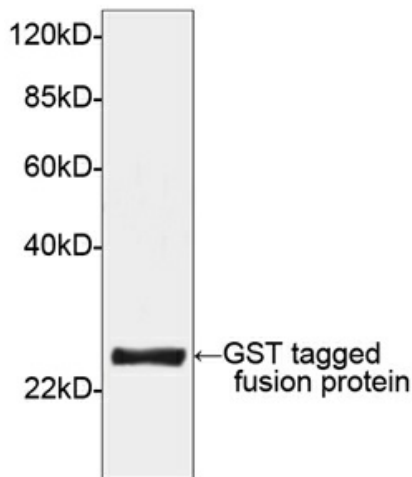
<b>Application</b>	<b>Recommended Usage</b>
ELISA	0.05-0.1 µg/ml
Western Blot	0.1-1.0 µg/ml

## Properties

<b>Form</b>	Lyophilized
<b>Storage Buffer</b>	Lyophilized with PBS, pH 7.4, containing 1% BSA and 0.01% Thimerosal
<b>Reconstitution</b>	Reconstitute the lyophilized powder with deionized water (or equivalent) to a final concentration of 0.5 mg/ml.
<b>Storage Instructions</b>	The lyophilized product remains stable for up to 1 year at -20 °C from the date of receipt. Upon reconstitution, it can be stored for 2-3 weeks at 2-8 °C or for up to 12 months at -20 °C or below. Avoid repeated freezing and thawing cycles.

<b>Purification</b>	Affinity chromatography
<b>Isotype</b>	Rabbit IgG
<b>Clonality</b>	Polyclonal
<b>Clone ID</b>	Not applicable

## Examples



Western blot analysis of GST-tagged fusion protein using GST-tag Antibody [HRP], pAb, Rabbit (GenScript, A00130, 1  $\mu$ g/ml). The signal was developed with DAB substrate (AMRESCO).  
Predicted Size: 26 kD  
Observed Size: 26 kD

## Background

**Target Background :** Glutathione-S-transferase is an epitope tag in generating fusion proteins. Antibodies specific to fusion proteins are useful in monitoring protein expression in Western Blots as well as immunoaffinity purification of proteins expressed in *E. coli*. The glutathione-S-transferases are a family of enzymes that catalyze the addition of the tripeptide glutathione to endogenous and xenobiotic substrates which have electrophilic functional groups. They play an important role in the detoxication and metabolism of many xenobiotic and endobiotic compounds. The glutathione adducts produced have increased solubility in water and are subsequently enzymatically degraded to mercapturates and excreted.

**Synonyms :** Rabbit Anti-GST-tag [HRP];GST-tag [HRP] Antibody

**For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.**

生产商：南京金斯瑞生物科技有限公司 江苏省南京市江宁区科学园雍熙路28号

Manufacturer: Nanjing GenScript Biotech Co., Ltd. No. 28Yongxi Road, Jiangning District, Nanjing, Jiangsu, China