



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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**Datasheet for 100-101-200****GST Antibody****Overview**

<b>Description:</b>	Anti-GST (GOAT) Antibody - 100-101-200
<b>Item No.:</b>	100-101-200
<b>Size:</b>	2 mL
<b>Applications:</b>	WB, Biochemical Assay, IP
<b>Reactivity:</b>	GST-Tag
<b>Host Species:</b>	Goat

**Product Details**

**Background:** Rockland produces a wide range of GST antibodies in our laboratories. Select GST antibodies from several monoclonal and/or polyclonal GST antibodies listed below. Select appropriate GST antibodies for your research by isotype, epitope, applications and species reactivity. GST (Glutathione-S-Transferase) is a protein expression tag commonly used in molecular biology. Anti-GST will react with synthetic construct present in most known GST containing cloning or expression vectors. GST is responsible for the conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. The amino acid sequence GST is highly conserved in most organisms including mammals. GST exists as a 26 kDa homodimer.

<b>Synonyms:</b>	goat anti-GST Antibody, GST, Glutathione-S-Transferase
<b>Host Species:</b>	Goat
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	Antiserum

**Target Details**

<b>Reactivity:</b>	GST-Tag
<b>Immunogen Type:</b>	Native Protein
<b>Immunogen:</b>	Glutathione-S-Transferase [Schistosoma japonicum]

**Purity/Specificity:** This product was prepared from monospecific antiserum by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-goat serum, purified and partially purified Glutathione-S-Transferase [*Schistosoma japonicum*]. Cross reactivity against Glutathione-S-Transferase from other sources may occur but has not been specifically determined.

## Application Details

<b>Tested Applications:</b>	WB
<b>Suggested Applications:</b>	Biochemical Assay, IP (Based on references)
<b>Application Note:</b>	Anti-GST has been tested by western blot and is suitable to be assayed against 1.0 ug of Glutathione-S-Transferase [ <i>Schistosoma japonicum</i> ] in a standard ELISA using Peroxidase conjugated Affinity Purified anti-Goat IgG [H&L] (Rabbit) code #605-4302 and (ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:1,500 to 1:8,000 of the reconstitution concentration is suggested for this product.
<b>Assay Dilutions:</b>	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
<b>ELISA:</b>	1:10,000 - 1:50,000
<b>IHC:</b>	User Optimized
<b>WB:</b>	1:1,000 - 1:5,000

## Formulation

<b>Physical State:</b>	Lyophilized
<b>Concentration:</b>	90 mg/mL by Refractometry
<b>Buffer:</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Preservative:</b>	0.01% (w/v) Sodium Azide
<b>Stabilizer:</b>	None
<b>Reconstitution Volume:</b>	2.0 mL
<b>Reconstitution Buffer:</b>	Restore with deionized water (or equivalent)

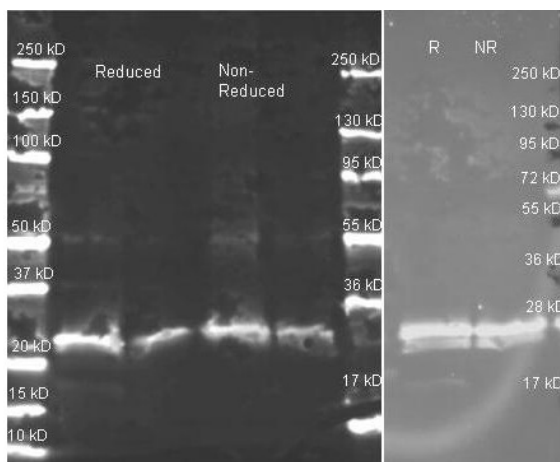
## Shipping & Handling

**Shipping Condition:** Ambient

**Storage Condition:** Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

**Expiration:** Expiration date is one (1) year from date of receipt.

## Images



### Western Blot

Western Blot of Goat anti GST antibody. Lane 1: molecular weight. Lane 2: 1 ug GST reduced. Lane 3: 0.25 ug GST reduced. Lane 4: 1 ug GST non-reduced. Lane 5: 0.25 ug GST non-reduced. Lane 6: molecular weight. Primary antibody: Goat anti GST antibody at 1:5000 for overnight at 4°C. Secondary antibody: Dylight 649 conjugated Donkey anti Goat secondary antibody at 1:10,000 for 1.5 hours at RT. Lane 7: 1 ug GST reduced. Lane 8: 1 ug GST non-reduced. Lane 9: molecular weight. Primary antibody: Goat anti GST antibody at 1:1000 for overnight at 4°C. Secondary antibody: Dylight 549 conjugated Donkey anti Goat secondary antibody at 1:10,000 for 1.5 hours at RT. Block: MB-070 overnight at 4°C.

## References

- Koivunen, J et al. Integrin  $\alpha 11\beta 1$  is a receptor for collagen XIII. *Cell and Tissue Research* (2021)
- Kubota, M et al. Serum anti-SERPINE1 antibody as a potential biomarker of acute cerebral infarction. *Scientific Reports* (2021)
- Yoshida, Y et al. Elevation of autoantibody level against PDCD11 in patients with transient ischemic attack. *Oncotarget* (2018)
- Bolch, SN et al. A Splice Variant of Bardet-Biedl Syndrome 5 (BBS5) Protein that Is Selectively Expressed in Retina. *PLoS One* (2016)
- Smith, TS et al. Light-dependent phosphorylation of Bardet-Biedl syndrome 5 in photoreceptor cells modulates its interaction with arrestin1. *Cellular and Molecular Life Sciences : Cmls* (2013)

## Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.