

Anti-GST (GOAT) Antibody
GST Antibody
Catalog # ASR3955**Specification****Anti-GST (GOAT) Antibody - Product Information**

Host	Goat
Conjugate	Unconjugated
Clonality	Polyclonal
Application	WB, IHC, E, I, LCI
Application Note	Anti-GST antibody has been tested by ELISA and western blot. This product is assayed against 1.0 ug of Glutathione-S-Transferase [Schistosoma japonicum] in a standard ELISA using Peroxidase conjugated Affinity Purified anti-Goat IgG [H&L] (Rabbit) and (ABTS (2, 2'-azino-bis-[3-ethylbenthiazoline-6-sulfoni c acid]) as a substrate for 30 minutes at room temperature. A working dilution of 1:3,000 to 1:15,000 of the reconstitution concentration is suggested for this product. Specific conditions for reactivity should be optimized by the end user.
Physical State	Liquid (sterile filtered)
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	Glutathione-S-Transferase [Schistosoma japonicum]
Preservative	0.01% (w/v) Sodium Azide

Anti-GST (GOAT) Antibody - Additional Information**Purity**

Anti-GST is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum as well as 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.

Storage Condition

Store GST antibody at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. 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.

Precautions Note

This product is for research use only and is not intended for therapeutic or diagnostic applications.

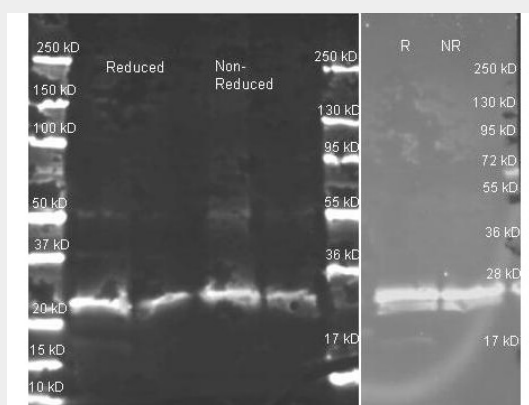
Anti-GST (GOAT) Antibody - Protein Information

Anti-GST (GOAT) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-GST (GOAT) Antibody - Images



Rockland Goat anti GST antibody was used to detect GST under reducing and non-reducing conditions. Reduced samples of purified GST contained 4% BME and were boiled for 5 minutes. For blot on the left, samples of ~1 and 0.25 ug of protein per lane were run by SDS-PAGE. Protein was transferred to nitrocellulose and probed with Rockland Goat anti GST (200-101-200 lot 13891 1:5K in MB-070, ON 4 C). Primary antibody was detected with Rockland Dylight 649 conjugated Donkey anti Goat (605-743-125 lot 20834 1:10K 1.5 hr RT in MB-070) and imaged on the BioRad VersaDoc imaging system. Blot on right shows a repeat western blot with the same samples (~1 ug per lane, reduced (R) and non-reduced (NR) probed 1:1000 dilution of primary antibody and detection using Dylight 549 conjugated Donkey anti goat (605-742-125 lot 21096 1:10K 1.5 hr RT in MB-070).

Anti-GST (GOAT) Antibody - Background

GST antibody recognizes the GST tag. The glutathione S-transferase (GST, previously known as ligandins) family of enzymes are composed of many cytosolic, mitochondrial, and microsomal (now designated as MAPEG) proteins. GSTs are present in eukaryotes and in prokaryotes, where they catalyze a variety of reactions and accept endogenous and xenobiotic substrates. Members of the GST superfamily are extremely diverse in amino acid sequence, and a large fraction of the sequences deposited in public databases are of unknown function. The Enzyme Function Initiative (EFI) is using GSTs as a model superfamily to identify new GST functions. Anti-GST antibody is ideal for investigators involved in epitope research.