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Anti-GST (GOAT) Antibody Peroxidase Conjugated

GST Antibody HRP Conjugated
Catalog # ASR5106

Specification

Anti-GST (GOAT) Antibody Peroxidase Conjugated - Product Information

Host	**Goat**
Conjugate	**Peroxidase (Horseradish)**
Clonality	**Polyclonal**
Application	**WB, IHC, E, I, LCI**
Application Note	**Anti-GST peroxidase conjugated Antibody has been tested by ELISA and western blot and is suitable for immunoblotting, ELISA, immunohistochemistry, immunomicroscopy as well as other antibody based assays using peroxidase conjugates requiring lot-to-lot consistency. Optimal concentrations in these or other immunoassays should be determined by the researcher.**
Physical State	**Lyophilized**
Buffer	**0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2**
Immunogen	**Glutathione-S-Transferase [Schistosoma japonicum]**
Reconstitution Volume	**1.0 mL**
Reconstitution Buffer	**Restore with deionized water (or equivalent)**
Stabilizer	**10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free**
Preservative	**0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!**

Anti-GST (GOAT) Antibody Peroxidase Conjugated - Additional Information

Purity
Anti-GST HRP Conjugated antibody was prepared from monospecific antiserum by immunoaffinity chromatography using GST coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum, anti-Peroxidase, 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 anti-GST 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.

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

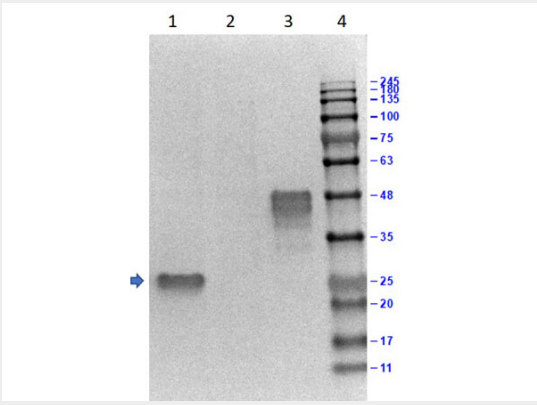
Anti-GST (GOAT) Antibody Peroxidase Conjugated - Protein Information

Anti-GST (GOAT) Antibody Peroxidase Conjugated - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-GST (GOAT) Antibody Peroxidase Conjugated - Images



Western Blot Results of Goat Anti-GST Antibody Peroxidase Conjugated. Lane 1: rec GST (p/n 000-001-200)/HeLa WCL (p/n W09-000-364) [0.03/10 µg]. Lane 2: HeLa Whole Cell Lysate (p/n W09-000-364) [10 µg]. Lane 3: 12 Epitope GST Lysate (p/n MB-302-0100) [0.5 µg]. Lane 4: Opal Prestained 11-245 kDa Molecular Weight Marker (p/n MB-210-0500). Antibody: Goat Anti-GST Peroxidase Conjugated Antibody at 1.0 µg overnight at 4°C. BlockOut blocking buffer (p/n MB-073) for 1hr at RT. Predicted MW: 25kDa. Observed MW: 25kDa in lane 1. 48kDa in lane 4 for 12 Epitope GST Lysate. Exposure: 0.03 seconds.

Anti-GST (GOAT) Antibody Peroxidase Conjugated - Background

GST Antibody HRP Conjugated is specific for the GST affinity tag. Affinity tags re appended to proteins thereby allowing them to be purified from their crude biological source using an affinity technique. Common affinity tags include glutathione-S-transferase (GST), chitin binding protein (CBP), maltose binding protein (MBP), and the poly-Histidine or HIS-tag. 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.