

**TST Antibody (C-Term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21669b**

**Specification**

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**TST Antibody (C-Term) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB,E                   |
| Primary Accession | <a href="#">Q16762</a> |
| Reactivity        | Human, Mouse, Rat      |
| Host              | Rabbit                 |
| Clonality         | polyclonal             |
| Isotype           | Rabbit IgG             |
| Calculated MW     | 33429                  |

**TST Antibody (C-Term) - Additional Information**

**Gene ID** 7263

**Other Names**

Thiosulfate sulfurtransferase, Rhodanese, TST

**Target/Specificity**

This TST antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 208-232 amino acids from the human TST.

**Dilution**

WB~~1:2000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

TST Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**TST Antibody (C-Term) - Protein Information**

**Name** TST

**Function** Formation of iron-sulfur complexes, cyanide detoxification or modification of sulfur-containing enzymes. Other thiol compounds, besides cyanide, can act as sulfur ion acceptors. Also has weak mercaptopyruvate sulfurtransferase (MST) activity (By similarity). Together with MRPL18, acts as a mitochondrial import factor for the cytosolic 5S rRNA. Only the

nascent unfolded cytoplasmic form is able to bind to the 5S rRNA.

#### Cellular Location

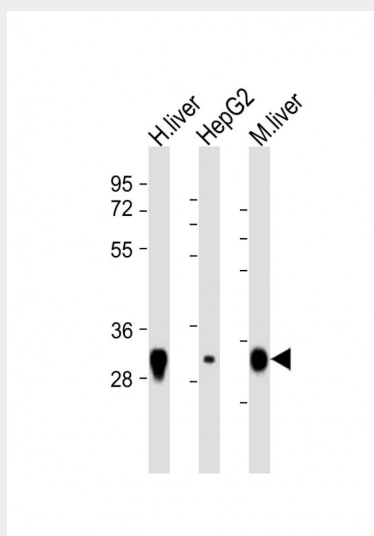
Mitochondrion matrix.

#### TST Antibody (C-Term) - Protocols

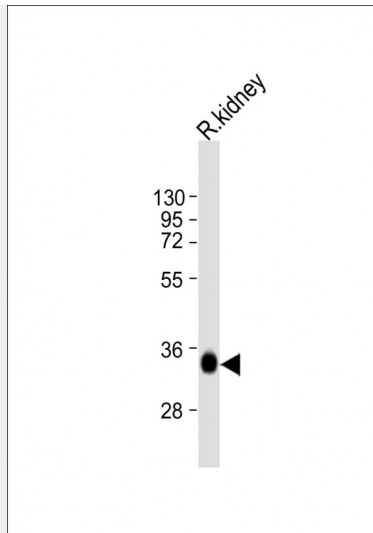
Provided below are standard protocols that you may find useful for product applications.

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

#### TST Antibody (C-Term) - Images



All lanes : Anti-TST Antibody (C-Term) at 1:8000 dilution Lane 1: human liver lysate Lane 2: HepG2 lysate Lane 3: mouse liver lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 33 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Anti-TST Antibody (C-Term) at 1:2000 dilution + rat kidney lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 33 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

#### **TST Antibody (C-Term) - Background**

Formation of iron-sulfur complexes, cyanide detoxification or modification of sulfur-containing enzymes. Other thiol compounds, besides cyanide, can act as sulfur ion acceptors. Also has weak mercaptopyruvate sulfurtransferase (MST) activity (By similarity). Together with MRPL18, acts as a mitochondrial import factor for the cytosolic 5S rRNA. Only the nascent unfolded cytoplasmic form is able to bind to the 5S rRNA.

#### **TST Antibody (C-Term) - References**

Aita N., et al. *Biochem. Biophys. Res. Commun.* 231:56-60(1997).  
Collins J.E., et al. *Genome Biol.* 5:R84.1-R84.11(2004).  
Ebert L., et al. Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.  
Ota T., et al. *Nat. Genet.* 36:40-45(2004).  
Dunham I., et al. *Nature* 402:489-495(1999).