

### **TST Antibody (Center)**

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21670c

### **Specification**

# TST Antibody (Center) - Product Information

Application
Primary Accession
Reactivity
Host
Clonality
Isotype
Calculated MW

WB, IHC-P,E
O16762
Human, Rat
Rabbit
Rabbit
Polyclonal
Rabbit IgG
33429

## TST Antibody (Center) - 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 170-203 amino acids from the Central region of human TST.

### **Dilution**

WB~~1:2000 IHC-P~~1:25

E~~Use at an assay dependent concentration.

### **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.

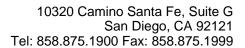
#### **Precautions**

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

## **TST Antibody (Center) - 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.

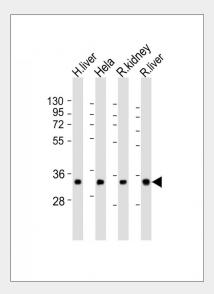
**Cellular Location**Mitochondrion matrix.

# **TST Antibody (Center) - Protocols**

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

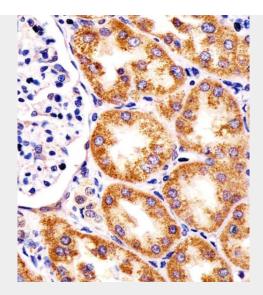
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# **TST Antibody (Center) - Images**



All lanes: Anti-TST Antibody (Center) at 1:2000 dilution Lane 1: human liver lysate Lane 2: Hela whole cell lysate Lane 3: rat kidney lysate Lane 4: rat 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.





AP21670c staining TST in human kidney tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

# TST Antibody (Center) - 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 (Center) - 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).