

TST Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21670c

Specification

TST Antibody (Center) - Product Information

Application	WB, IHC-P,E
Primary Accession	Q16762
Reactivity	Human, Rat
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	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

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

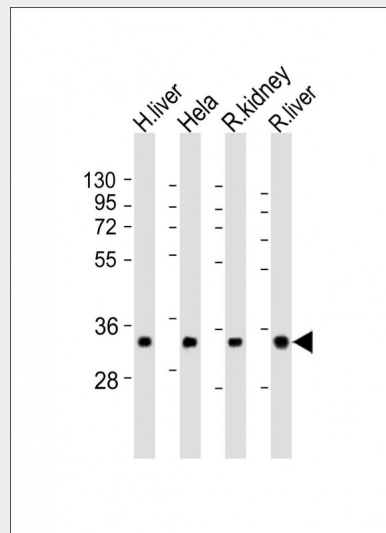
Mitochondrion matrix.

TST Antibody (Center) - Protocols

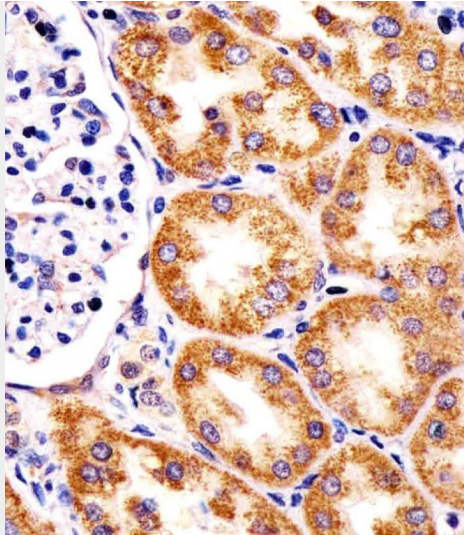
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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 μ 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 hour 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).