

For Research Use Only

# TST Polyclonal antibody

Catalog Number: 16311-1-AP

Featured Product

9 Publications



## Basic Information

### Catalog Number:

16311-1-AP

### Size:

150ul, Concentration: 700 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG9346

### GenBank Accession Number:

BC010148

### GeneID (NCBI):

7263

### UNIPROT ID:

Q16762

### Full Name:

thiosulfate sulfurtransferase (rhodanese)

### Calculated MW:

297 aa, 33 kDa

### Observed MW:

33 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:8000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

## Applications

### Tested Applications:

WB, IHC, IP, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

**WB** : HEK-293 cells, human kidney tissue, liver tissue, HeLa cells, HepG2 cells, mouse kidney, rat kidney

**IP** : HEK-293 cells,

**IHC** : human colon cancer tissue,

## Background Information

Thiosulfate sulfurtransferase (TST), also known as rhodanese, is a mitochondrial enzyme involved in cyanide detoxification and the formation of iron-sulfur proteins and the modification of sulfur-containing enzymes.

## Notable Publications

Author	Pubmed ID	Journal	Application
Pilar González-García	32975579	Hum Mol Genet	WB
Marta Luna-Sánchez	27856619	EMBO Mol Med	WB
Marcello Ziosi	27856618	EMBO Mol Med	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

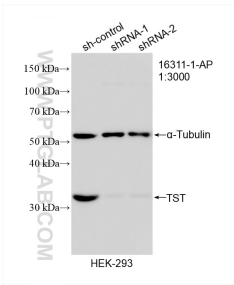
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

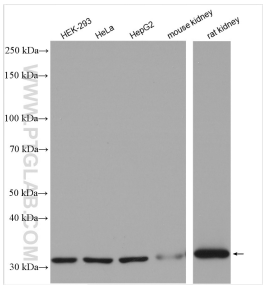
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

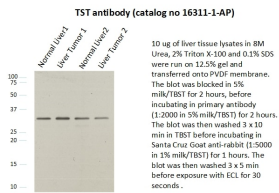
Selected Validation Data



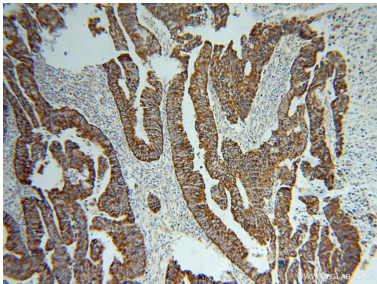
WB result of TST antibody (16311-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TST transfected HEK-293 cells.



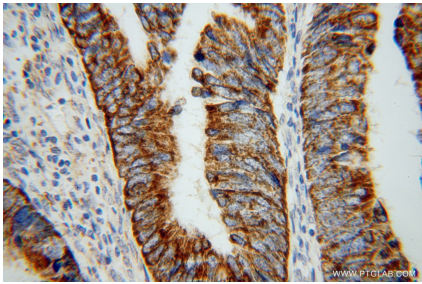
Various lysates were subjected to SDS PAGE followed by western blot with 16311-1-AP (TST antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



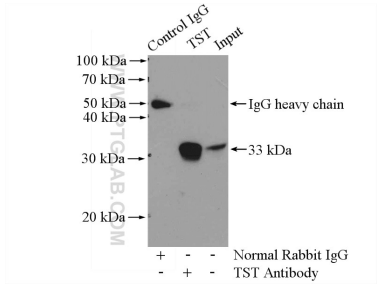
WB result of anti-TST (16311-1-AP) in Liver by Dr. Seow Chong Lee.



Immunohistochemical analysis of paraffin-embedded human colon cancer using 16311-1-AP (TST antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon cancer using 16311-1-AP (TST antibody) at dilution of 1:50 (under 40x lens).



IP result of anti-TST (IP:16311-1-AP, 4ug; Detection:16311-1-AP 1:300) with HEK-293 cells lysate 2800ug.