

For Research Use Only

# TST Polyclonal antibody

Catalog Number: 16311-1-AP **8 Publications**



## Basic Information

<b>Catalog Number:</b> 16311-1-AP	<b>GenBank Accession Number:</b> BC010148	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 700 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 7263	<b>Recommended Dilutions:</b> WB 1:1000-1:8000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> thiosulfate sulfurtransferase (rhodanese)	<b>IHC 1:20-1:200</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 297 aa, 33 kDa	
<b>Immunogen Catalog Number:</b> AG9346	<b>Observed MW:</b> 33 kDa	

## Applications

### Tested Applications:

IHC, IP, WB, 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, liver tissue, human kidney 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

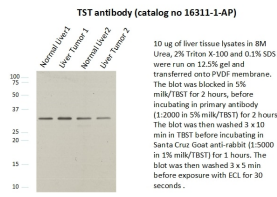
For technical support and original validation data for this product please contact:

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

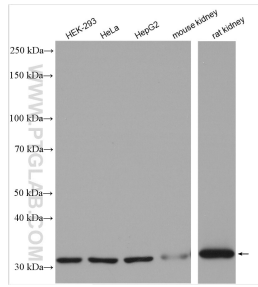
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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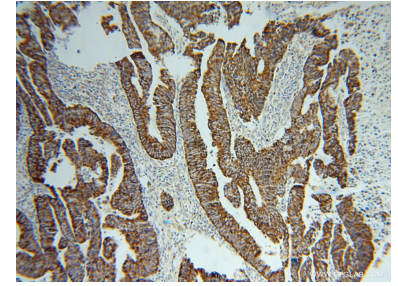
## Selected Validation Data



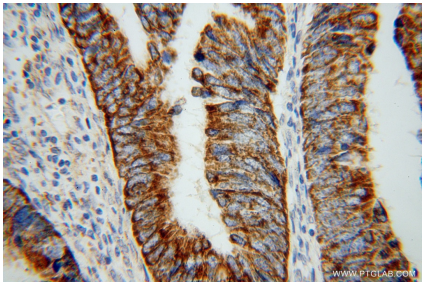
WB result of anti-TST (16311-1-AP) in Liver by Dr. Seow Chong Lee.



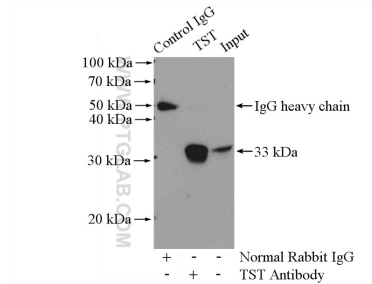
Various lysates were subjected to SDS PAGE followed by western blot with 16311-1-AP (TST antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



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.