

For Research Use Only

# TST Polyclonal antibody

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



## Basic Information

**Catalog Number:**

16311-1-AP

**Size:**

700 µg/ml

**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 µg for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

## 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

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

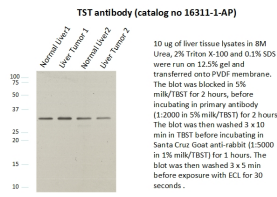
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

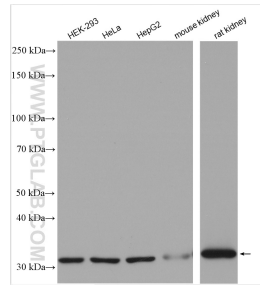
W: [ptgcn.com](http://ptgcn.com)

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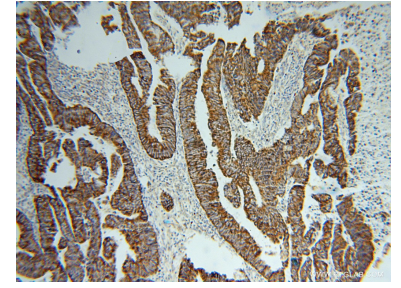
## Selected Validation Data



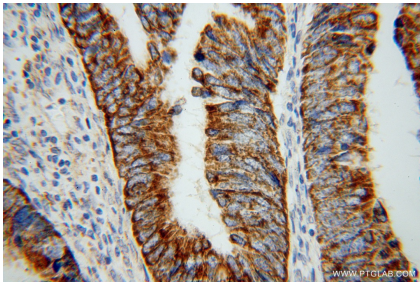
WB result of anti-TST (16311-1-AP) in Liver by Dr. Seow Chong Lee.



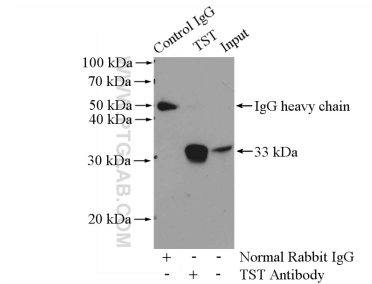
Various lysates were subjected to SDS PAGE followed by western blot with 16311-1-AP (TST antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



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, 4µg; Detection:16311-1-AP 1:300) with HEK-293 cells lysate 2800µg.