

For Research Use Only

TST Monoclonal antibody

Catalog Number: 66018-1-Ig

Featured Product

8 Publications



Basic Information

Catalog Number:

66018-1-Ig

Concentration:

1000 ug/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG9235

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:

Protein A purification

CloneNo.:

2A6C5

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:8000-1:32000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

**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 : A549 cells, HEK-293 cells, human brain tissue,
mouse brain tissue, mouse liver tissue, rat liver tissue

IHC : rat kidney tissue, human kidney tissue, human
liver cancer tissue

IF/ICC : A549 cells,

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
Ashley A Untereiner	29061341	Biochem Pharmacol	WB
Akbar Ahmad	28318752	Burns	WB
Marouane Libiad	31213529	J Biol Chem	IHC

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

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

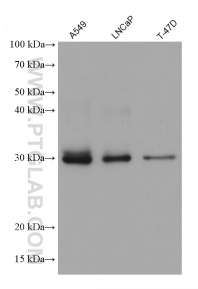
T: 4006900926

E: Proteintech-CN@ptglab.com

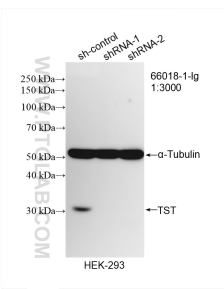
W: ptgcn.com

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

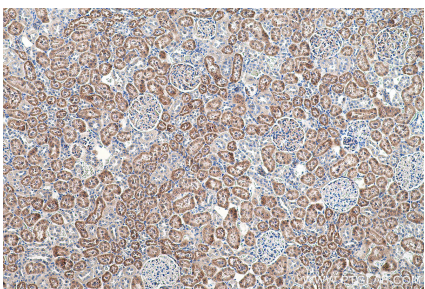
Selected Validation Data



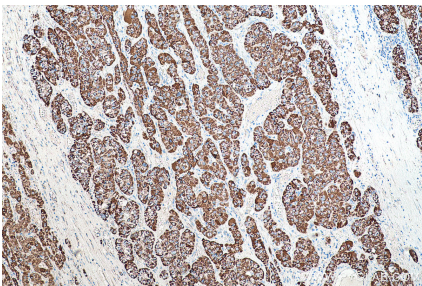
Various lysates were subjected to SDS PAGE followed by western blot with 66018-1-Ig (TST antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



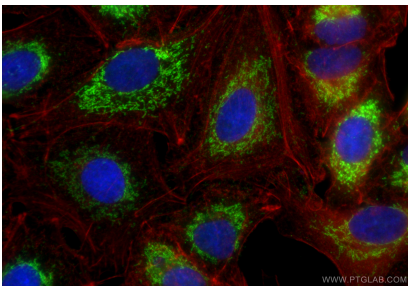
WB result of TST antibody (66018-1-Ig; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TST transfected HEK-293 cells.



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using 66018-1-Ig (TST antibody) at dilution of 1:16000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66018-1-Ig (TST antibody) at dilution of 1:16000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed A549 cells using TST antibody (66018-1-Ig, Clone: 2A6C5) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-phalloidin (red).