

For Research Use Only

TST Monoclonal antibody

Catalog Number: 66018-1-Ig

Featured Product

8 Publications



Basic Information

Catalog Number: 66018-1-Ig	GenBank Accession Number: BC010148	Purification Method: Protein A purification
Size: 150ul, Concentration: 1000 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 7263	CloneNo.: 2A6C5
Source: Mouse	UNIPROT ID: Q16762	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:8000-1:32000 IF/ICC 1:200-1:800
Isotype: IgG2a	Full Name: thiosulfate sulfurtransferase (rhodanese)	
Immunogen Catalog Number: AG9235	Calculated MW: 297 aa, 33 kDa	
	Observed MW: 33 kDa	

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

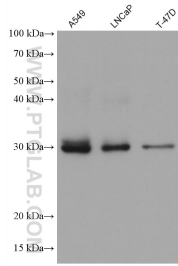
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

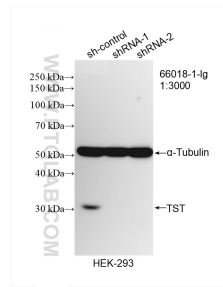
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

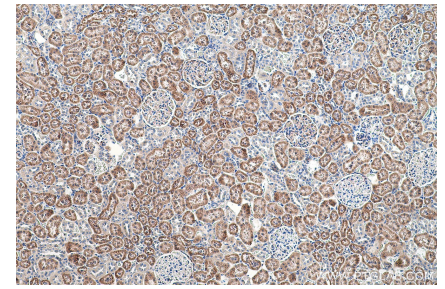
Selected Validation Data



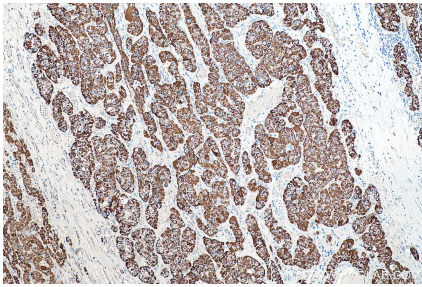
Various lysates were subjected to SDS PAGE followed by western blot with 66018-1-Ig (TST antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



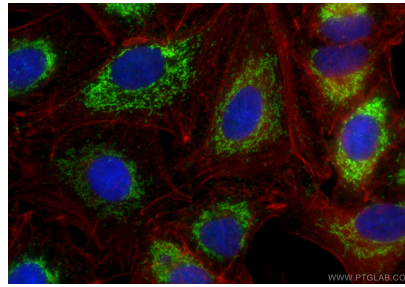
WB result of TST antibody (66018-1-Ig; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TST transfected HEK-293 cells.



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).