

For Research Use Only

# CTDSP1 Polyclonal antibody

Catalog Number: 10952-1-AP

Featured Product

4 Publications



## Basic Information

Catalog Number:

10952-1-AP

Size:

700 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1410

GenBank Accession Number:

BC012977

GeneID (NCBI):

58190

UNIPROT ID:

Q9GZU7

Full Name:

CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1

Calculated MW:

29 kDa

Observed MW:

29-33 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human, mouse

Positive Controls:

WB : HepG2 cells, mouse kidney tissue, mouse liver tissue

## Background Information

CTDSP1 also named as NIF3, NLIF, or SCP1, is a 261 amino acid protein, which contains one FCP1 homology domain. CTDSP1 localizes in the nucleus and colocalizes with RNA polymerase II. CTDSP1 is expressed in non-neuronal tissues. It is highly expressed in skeletal muscle, spleen, lung and placenta. CTDSP1 preferentially catalyzes the dephosphorylation of 'Ser-5' within the tandem 7 residues repeats in the C-terminal domain (CTD) of the largest RNA polymerase II subunit POLR2.

## Notable Publications

Author	Pubmed ID	Journal	Application
Nathaniel Tate Burkholder	30217818	J Biol Chem	WB
Chunming Zhao	36311195	Iran J Basic Med Sci	WB
Jie Du	31907356	Cell Death Dis	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)

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 10952-1-AP (CTDSP1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.