

**CTDSP1 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP51124****Specification**

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**CTDSP1 Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">O9GZU7</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>30 KDa</b>
Antigen Region	<b>1 - 60</b>

**CTDSP1 Antibody - Additional Information****Gene ID** 58190**Other Names**

Carboxy-terminal domain RNA polymerase II polypeptide A small phosphatase 1, Nuclear LIM interactor-interacting factor 3, NLI-IF, NLI-interacting factor 3, Small C-terminal domain phosphatase 1, SCP1, Small CTD phosphatase 1, CTDSP1, NIF3, NLIIF, SCP1

**Target/Specificity**

KLH conjugated synthetic peptide derived from human CTDSP1

**Dilution**

WB~~ 1:1000

**Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**CTDSP1 Antibody - Protein Information****Name** CTDSP1**Synonyms** NIF3, NLIIF, SCP1**Function**

Preferentially catalyzes the dephosphorylation of 'Ser-5' within the tandem 7 residue repeats in the C-terminal domain (CTD) of the largest RNA polymerase II subunit POLR2A. Negatively regulates RNA polymerase II transcription, possibly by controlling the transition from initiation/capping to processive transcript elongation. Recruited by REST to neuronal genes that contain RE-1 elements, leading to neuronal gene silencing in non-neuronal cells.

### Cellular Location

Nucleus. Note=Colocalizes with RNA polymerase II

### Tissue Location

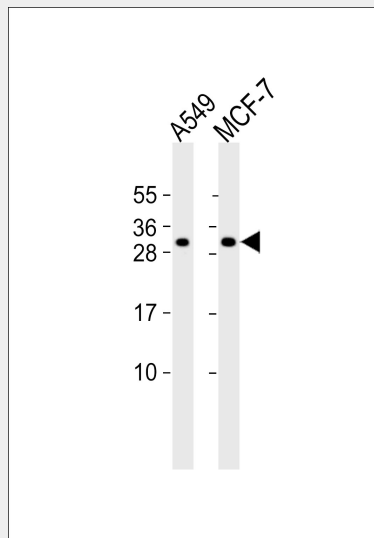
Expression is restricted to non-neuronal tissues. Highest expression in skeletal muscle, spleen, lung and placenta

### CTDSP1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### CTDSP1 Antibody - Images



All lanes : Anti-CTDSP1 Antibody at 1:1000 dilution Lane 1: A549 whole cell lysates Lane 2: MCF-7 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 29 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

### CTDSP1 Antibody - Background

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### CTDSP1 Antibody - References

Marquet S.,et al.Mamm. Genome 11:755-762(2000).  
Yeo M.,et al.J. Biol. Chem. 278:26078-26085(2003).  
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Hillier L.W.,et al.Nature 434:724-731(2005).  
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