

# CTDSP1 Antibody - N-terminal region

Rabbit Polyclonal Antibody Catalog # AI15185

#### **Product Information**

Application WB
Primary Accession Q9GZU7

Other Accession NM 021198, NP 067021

**Reactivity**Human, Mouse, Rat, Rabbit, Dog, Guinea Pig, Bovine **Predicted**Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 29203

#### **Additional Information**

**Gene ID** 58190

Alias Symbol NLIIF, SCP1, NIF3, NLI-IF

Other Names Carboxy-terminal domain RNA polymerase II polypeptide A small

phosphatase 1, 3.1.3.16, 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

Format Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium

azide and 2% sucrose.

**Reconstitution & Storage** Add 50 ul of distilled water. Final anti-CTDSP1 antibody concentration is 1

mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at

20°C. Avoid repeat freeze-thaw cycles.

**Precautions** CTDSP1 Antibody - N-terminal region is for research use only and not for use

in diagnostic or therapeutic procedures.

## **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

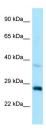
**Tissue Location** Expression is restricted to non-neuronal tissues. Highest expression in

skeletal muscle, spleen, lung and placenta

### References

Marquet S., et al. Mamm. Genome 11:755-762(2000). Yeo M., et al.J. Biol. Chem. 278:26078-26085(2003). Li W.B., et al. Submitted (APR-2003) to the EMBL/GenBank/DDBJ databases. Hillier L.W., et al. Nature 434:724-731(2005). Yeo M., et al. Science 307:596-600(2005).

# **Images**



WB Suggested Anti-CTDSP1 Antibody Titration: 1.0  $\mu$ g/ml Positive Control: HepG2 Whole CellCTDSP1 is supported by BioGPS gene expression data to be expressed in HepG2

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.