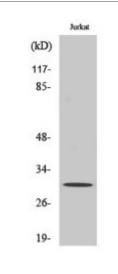


## **Anti-CTDSP1** antibody



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**Description** Rabbit polyclonal to CTDSP1.

Model STJ92515

**Host** Rabbit

**Reactivity** Human, Mouse, Rat

**Applications** ELISA, IHC, WB

ImmunogenSynthesized peptide derived from human CTDSP1

Immunogen Region 1-80 aa, N-terminal

**Gene ID** <u>58190</u>

Gene Symbol CTDSP1

**Dilution range** WB 1:500-1:2000IHC 1:100-1:300ELISA 1:40000

**Specificity** CTDSP1 Polyclonal Antibody detects endogenous levels of CTDSP1 protein.

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

muscle, spleen, lung and placenta.

**Purification** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

**Note** For Research Use Only (RUO).

**Protein Name** 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

Molecular Weight 30 kDa

**Clonality** Polyclonal

**Conjugation** Unconjugated

**Isotype** IgG

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

**Concentration** 1 mg/ml

**Storage Instruction** Store at -20°C, and avoid repeat freeze-thaw cycles.

Database Links HGNC:21614OMIM:605323

Alternative 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

**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 Localization Nucleus. Colocalizes with RNA polymerase II.

St John's Laboratory Ltd

**F** +44 (0)207 681 2580

**T** +44 (0)208 223 3081

W http://www.stjohnslabs.com/ E info@stjohnslabs.com