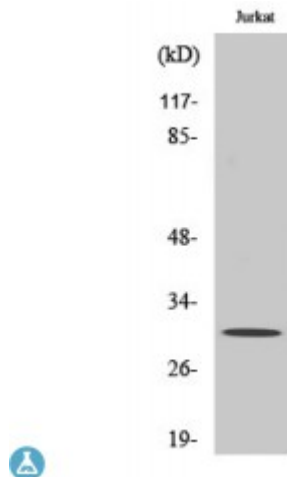


Anti-CTDSP1 antibody



Description	Rabbit polyclonal to CTDSP1.
Model	STJ92515
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human CTDSP1
Immunogen Region	1-80 aa, N-terminal
Gene ID	58190
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:21614 OMIM: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.

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