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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

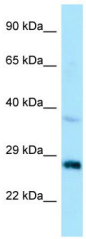
Name	CTDSP1
Synonyms	NIF3, NLIIF, SCP1
Function	Preferentially catalyzes the dephosphorylation of 'Ser-5' within the tandem 7 residue repeats in the C-terminal domain (CTD) of the largest RNA polymerase II subunit POLR2A. Negatively regulates RNA polymerase II transcription, possibly by controlling the 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 µg/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'.