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CTDSP1 Antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15185

Specification

CTDSP1 Antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q9GZU7
Other Accession	NM_021198, NP_067021
Reactivity	**Human, Mouse, Rat, Rabbit, Bovine, Guinea Pig, Dog**
Predicted	**Human, Mouse, Rat, Rabbit, Pig, Bovine, Guinea Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**29kDa KDa**

CTDSP1 Antibody - N-terminal region - 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.

CTDSP1 Antibody - N-terminal region - 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

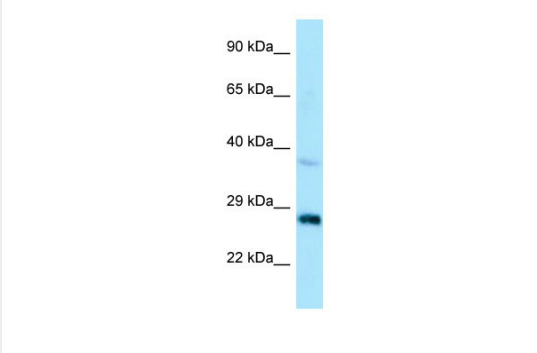
Tissue Location
Expression is restricted to non-neuronal tissues. Highest expression in skeletal muscle, spleen, lung and placenta

CTDSP1 Antibody - N-terminal region - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CTDSP1 Antibody - N-terminal region - 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

CTDSP1 Antibody - N-terminal region - 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).