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CTDSP1 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20752a

Specification

CTDSP1 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q9GZU7
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**29203**

CTDSP1 Antibody (N-term) - Additional Information

Gene ID 58190

Other 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, CTDSP1, NIF3, NLIIF, SCP1

Target/Specificity
This CTDSP1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 16-50 amino acids from the N-terminal region of human CTDSP1.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
CTDSP1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CTDSP1 Antibody (N-term) - 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

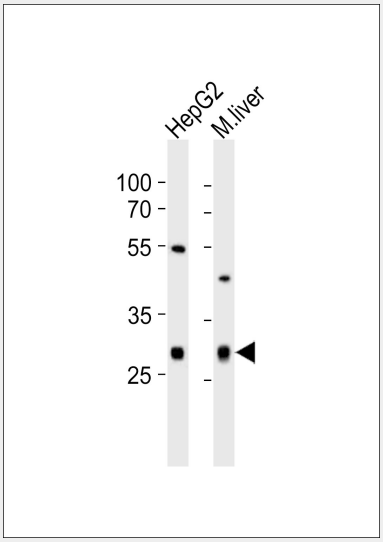
Tissue Location
Expression is restricted to non-neuronal tissues. Highest expression in skeletal muscle, spleen, lung and placenta

CTDSP1 Antibody (N-term) - 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-term) - Images



Western blot analysis of lysates from HepG2 cell line, mouse liver tissue lysate (from left to right), using CTDSP1 Antibody (N-term)(Cat. #AP20752a). AP20752a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

CTDSP1 Antibody (N-term) - Background

Preferentially catalyzes the dephosphorylation of 'Ser- 5' within the tandem 7 residues 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.

CTDSP1 Antibody (N-term) - References

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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).
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