

CTDSP1 Polyclonal Antibody

Catalog # AP69333

Specification

CTDSP1 Polyclonal Antibody - Product Information

Application WB, IHC-P Primary Accession Q9GZU7

Reactivity Human, Mouse, Rat

Host Rabbit Clonality Polyclonal

CTDSP1 Polyclonal Antibody - Additional Information

Gene ID 58190

Other Names

CTDSP1; NIF3; NLIIF; SCP1; 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 ph

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications. IHC-P~ \sim N/A

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

CTDSP1 Polyclonal Antibody - Protein Information

Name CTDSP1

Synonyms NIF3, NLIIF, SCP1

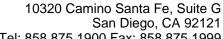
Function

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





Tel: 858.875.1900 Fax: 858.875.1999

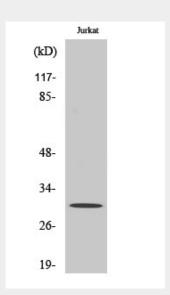
Expression is restricted to non-neuronal tissues. Highest expression in skeletal muscle, spleen, lung and placenta

CTDSP1 Polyclonal Antibody - Protocols

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

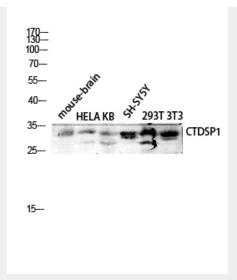
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

CTDSP1 Polyclonal Antibody - Images



Western Blot analysis of various cells using CTDSP1 Polyclonal Antibody diluted at 1□1000 cells extracted TM Cytoplasmic Fractionation by Minute and Nuclear (SC-003,Inventbiotech,MN,USA).





Western blot analysis of mouse-brain HELA KB SH-SY5Y 293T 3T3 lysis using CTDSP1 antibody. Antibody was diluted at 1:1000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).

CTDSP1 Polyclonal Antibody - Background

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