

**Goat anti-CTDSP1, Biotinylated Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF4447a****Specification**

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**Goat anti-CTDSP1, Biotinylated Antibody - Product Information**

Application	WB, IHC, Pep-ELISA
Primary Accession	<a href="#">O9GZU7</a>
Other Accession	<a href="#">NP_067021.1</a> , <a href="#">NP_872580.1</a> , <a href="#">NP_001193807.1</a>
Reactivity	Human, Mouse, Rat, Dog, Bovine
Host	Goat
Clonality	Polyclonal
Calculated MW	29203

**Goat anti-CTDSP1, Biotinylated Antibody - Additional Information****Gene ID** 58190**Other Names**

CTDSP1; CTD small phosphatase 1; NIF3; NLI-IF; NLIIF; SCP1; CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1; NLI-interacting factor 3; nuclear LIM interactor-interacting factor 3; small C-terminal domain phosphatase 1

**Dilution**

WB~~1:1000  
IHC~~1:100~500  
Pep-ELISA~~N/A

**Format**

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

**Immunogen**

This antibody is expected to recognize all three reported isoforms (NP\_067021.1; NP\_872580.1; NP\_001193807.1).

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat anti-CTDSP1, Biotinylated Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat anti-CTDSP1, Biotinylated 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**

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

**Goat anti-CTDSP1, Biotinylated Antibody - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Goat anti-CTDSP1, Biotinylated Antibody - Images**