

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

Goat anti-CTDSP1, Biotinylated Antibody - Product Information

Application	WB, IHC, Pep-ELISA
Primary Accession	O9GZU7
Other Accession	NP_067021.1 , NP_872580.1 , NP_001193807.1
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