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Goat anti-CTDSP1, Biotinylated Antibody

Peptide-affinity purified goat antibody
Catalog # AF4447a

Product Information

Application	WB, IHC, Pep-ELISA
Primary Accession	Q9GZU7
Other Accession	NP_067021.1, NP_872580.1, NP_001193807.1
Reactivity	Human, Mouse, Rat, Dog, Bovine
Host	Goat
Clonality	Polyclonal
Clone Names	CTDSP1
Calculated MW	29203

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.

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