

Rabbit CTDSP1 Polyclonal Antibody | anti-CTDSP1 antibody

CTDSP1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324575	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

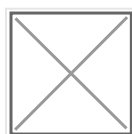
PRODUCT SYNONYMS

CTDSP1; Polyclonal Antibody; CTDSP1 Antibody; Carboxy terminal domain RNA polymerase II polypeptide A small phosphatase 1; Carboxy-terminal domain RNA polymerase II polypeptide A small phosphatase 1; CTD (carboxy terminal domain RNA polymerase II polypeptide A) small phosphatase 1; CTDS1_HUMAN; NIF3; NLI IF; NLI interacting factor 3; NLI-IF; NLI-interacting factor 3; NLIIF; Nuclear LIM interactor interacting factor 3; Nuclear LIM interactor-interacting factor 3; SCP1; Small C-terminal domain phosphatase 1; Small CTD phosphatase 1; anti-CTDSP1 antibody

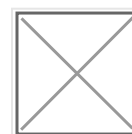
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CTDSP1 antibody detects endogenous levels of total CTDSP1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	260
Applicable Applications for anti-CTDSP1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus. Colocalizes with RNA polymerase II.
Tissue Specificity	Expression is restricted to non-neuronal tissues. Highest expression in skeletal muscle, spleen, lung and placenta.
Predicted Cross Reactivity	Pig, Bovine, Sheep, Rabbit
Similarity	Pig (82%), Bovine (91%), Sheep (91%), Rabbit (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES


WB (Western Blot)

Western blot analysis of extracts from HUVEC cells, using CTDSP1 antibody.


WB (Western Blot)

Western blot analysis of extracts of various tissue sample, using CTDSP1 Antibody.



IHC (Immunohistochemistry)

AAA324575 at 1/100 staining Mouse spleen tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)

AAA324575 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CTDSP1 antibody

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.
Subunit Structure: Monomer (By similarity). Interacts with GTF2F1. Interacts with REST.

NCBI AND UNIPROT INFORMATION

NCBI GI #	332308973
NCBI GeneID	58190
NCBI Accession #	NP_001193807.1
NCBI GenBank Nucleotide #	NM_001206878.1
UniProt Accession #	Q9GZU7; Q7Z5Q3; Q7Z5Q4; C9IYG0
Molecular Weight	Observed: 30 kD Predicted: 30 kDa
NCBI Official Full Name	carboxy-terminal domain RNA polymerase II polypeptide A small phosphatase 1 isoform 3
NCBI Official Synonym Full Names	CTD small phosphatase 1
NCBI Official Symbol	CTDSP1
NCBI Official Synonym Symbols	NIF3; SCP1; NLIIF; NLI-IF
NCBI Protein Information	carboxy-terminal domain RNA polymerase II polypeptide A small phosphatase 1
UniProt Protein Name	Carboxy-terminal domain RNA polymerase II polypeptide A small phosphatase 1
UniProt Gene Name	CTDSP1
UniProt Synonym Gene Names	NIF3; NLIIF; SCP1; NLI-IF; NLI-interacting factor 3; SCP1; Small CTD phosphatase 1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/ctdsp1-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/324575>