

Rabbit CTDSP1-V250 Polyclonal Antibody | anti-CTDSP1 antibody

CTDSP1-V250 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284797	Rabbit	Human (Predicted Reactivity: Mouse)	Immunohistochemistry, ELISA, Western Blot

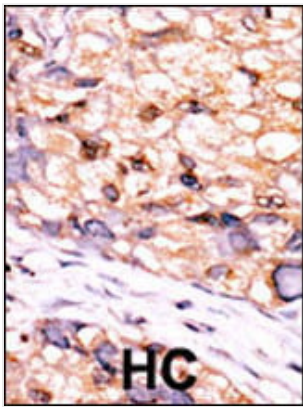
PRODUCT SYNONYMS

CTDSP1-V250; Polyclonal Antibody; CTDSP1-V250 Antibody (C-term); 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 phosphatase 1; CTDSP1; NIF3; NLIIF; anti-CTDSP1 antibody

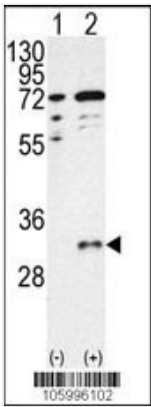
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CTDSP1-V250 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 235-261 amino acids from the C-terminal region of human CTDSP1-V250.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	235-261
Sequence Length	260
Applicable Applications for anti-CTDSP1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

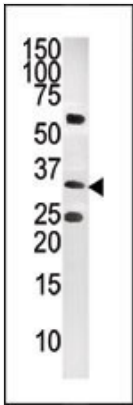
IMAGES



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
Western blot analysis of CTDSP1 (arrow) using CTDSP1-V250 Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CTDSP1 gene (Lane 2) (Origene Technologies).



WB (Western Blot)
The anti-CTDSP1-V250 is used in Western blot to detect CTDSP1-V250 in CEM tissue lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-CTDSP1 antibody	CTDSP1 is a class 2C phosphatase with activity dependent on the conserved DxD motif. Expression of CTDSP1 inhibited activated transcription from several promoter-reporter gene constructs, but expression of a mutant lacking phosphatase activity enhanced transcription. Neuronal gene transcription is repressed in nonneuronal cells by the repressor element-1 (RE1)-silencing transcription factor/neuron-restrictive silencer factor (REST/NRSF; 600571) complex. REST/NRSF recruits SCPs to neuronal genes that contain RE1 elements, leading to neuronal gene silencing in nonneuronal cells. Phosphatase-inactive forms of SCP interfere with REST/NRSF function and promote neuronal differentiation of P19 stem cells. Likewise, small interfering RNA directed to the single Drosophila SCP unmasks neuronal gene expression in S2 cells. Thus, SCP activity is an evolutionarily conserved transcriptional regulator that acts globally to silence neuronal genes.
Product Categories/Family for anti-CTDSP1 antibody	Signal Transduction
References	Yeo,M., Lee,S.K., Lee,B., Ruiz,E.C., Pfaff,S.L. and Gill,G.N. Science 307 (5709): 596-600 (2005). Fernandes,A.O., Campagnoni,C.W., Kampf,K., Feng,J.M., Handley,V.W. J. Neurosci. Res. 75 (4): 461-471 (2004). Yeo,M., Lin,P.S., Dahmus,M.E. and Gill,G.N. J. Biol. Chem. 278 (28): 26078-26085 (2003).

NCBI AND UNIPROT INFORMATION

NCBI GI #	332308973
NCBI GeneID	58190

NCBI Accession #	NP_001193807.1; NP_067021.1; NP_872580.1
NCBI GenBank Nucleotide #	NM_001206878.1
UniProt Accession #	Q9GZU7; Q7Z5Q3; Q7Z5Q4; C9IYG0
Molecular Weight	29203
NCBI Official Full Name	carboxy-terminal domain RNA polymerase II polypeptide A small phosphatase 1 isoform 3
NCBI Official Synonym Full Names	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) 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
UniProt Entry Name	CTDS1_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ctdsp1-v250-antibody-immunohistochemistry-western-blot-elisa/284797>