

Anti-CTDSP2 Antibody

Catalog Number: A10355-2

About CTDSP2

CTDSPs are C-class phosphatases that act on Ser 5 of the Pol II C-terminal domain (CTD) to decrease transcription [PMID:15681389]. CTDSP enzymatic activity is required for REST function, and knockdown of CTDSP induces the neuronal differentiation of mouse embryonic carcinoma P19 cells. CTDSP2 has been shown to enhance TGF-beta signaling by the dephosphorylation of SMAD proteins and attenuates androgen receptor-mediated transcription [PMID:16724108]. It negatively regulates RNA polymerase II transcription by controlling the transition from initiation/capping to processive transcript elongation. It was recruited by REST to neuronal genes that contain RE-1 elements, leading to neuronal gene silencing in non-neuronal cells [PMID: 12721286].

Overview

Product Name	Anti-CTDSP2 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-CTDSP2 Antibody catalog # A10355-2. Tested in WB, IHC, ELISA applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IHC, WB
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg stabilizing protein and 50% glycerol This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt at -20°C as supplied. 6 months at 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	O14595

Technical Details

Immunogen	E.coli-derived human CTDSP2 recombinant protein (Position: H3-L268).
Form	Liquid
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 1:500-2000

Immunohistochemistry, 1:50-400
ELISA, 1:100-1000

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Anti-CTDSP2 Antibody

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