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CTDSPL Rabbit pAb

Catalog # AP96744

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	O15194
Other Accession	O15194
Reactivity	Rat, Human, Mouse
Predicted	Pig, Rabbit, Chicken, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	31129
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SCP3
Epitope Specificity	145-250/276
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 FCP1 homology domain.
SUBUNIT	Monomer. Interacts with REST.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Preferentially catalyzes the dephosphorylation of 'Ser-5' within the tandem 7 residues 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 (By similarity). Recruited by REST to neuronal genes that contain RE-1 elements, leading to neuronal gene silencing in non-neuronal cells.

Additional Information

Gene ID	10217
Other Names	C3orf8; HYA22; PSR1; RBSP3; SCP3; 2810418J22Rik; CTDSL_HUMAN; CTDSPL; CTDSP-like; Carboxy-terminal domain RNA polymerase II polypeptide A small phosphatase 3; NIF-like protein; Nuclear LIM interactor-interacting factor 1 (NLI-interacting factor 1); Protein YA22 (hYA22); Small C-terminal domain phosphatase 3 (SCP3 | Small CTD phosphatase 3); 3.1.3.16; NIF1; NIFL; YA22; CTDSL_MOUSE; CTSL2_RAT; Ctdspl2; CTDSP-like 2; 3.1.3.-; CTD small phosphatase like; chromosome 3 open reading frame 8; CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like; small CTD phosphatase 3; HYA22 protein; RB protein serine phosphatase from chromosome 3
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	CTDSPL
Synonyms	C3orf8, NIF1, NIFL, SCP3, YA22
Function	Recruited by REST to neuronal genes that contain RE-1 elements, leading to neuronal gene silencing in non-neuronal cells (By similarity). 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.
Cellular Location	Nucleus.
Tissue Location	Expression is restricted to non-neuronal tissues.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.