

CREPT Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP59447

Specification

Physical State

CREPT Polyclonal Antibody - Product Information

Application WB, IHC-P, IHC-F, IF, ICC, E

Primary Accession
Reactivity
Rat
Host
Clonality
Calculated MW
Ross
Q9NQG5
Rat
Rabbit
Polyclonal
37 KDa

Immunogen KLH conjugated synthetic peptide derived

Liquid

laG

from human CREPT

Epitope Specificity 221-320/326

Isotype Purity

affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Nucleus.

SIMILARITY Belongs to the UPF0400 (RTT103) family.

Contains 1 CID domain.

SUBUNIT Associates with the RNA polymerase II

complex.

Important Note This product as supplied is intended for

research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

Interacts with phosphorylated C-terminal heptapeptide repeat domain (CTD) of the largest RNA polymerase II subunit POLR2A, and participates in dephosphorylation of the CTD. Transcriptional regulator which enhances expression of CCND1. Promotes binding of RNA polymerase II to the CCDN1 promoter and to the termination region before the poly-A site but decreases its binding after the poly-A site. Prevents RNA polymerase II from reading through the 3' end termination site and may allow it to be recruited back to the promoter through promotion of the formation of a chromatin loop. Also enhances the transcription of a number of other cell cycle-related genes including CDK2, CDK4, CDK6 and cyclin-E but not CDKN1A, CDKN1B or cyclin-A. Promotes cell proliferation.

CREPT Polyclonal Antibody - Additional Information

Gene ID 58490

Other Names

Regulation of nuclear pre-mRNA domain-containing protein 1B, Cell cycle-related and expression-elevated protein in tumor, RPRD1B, C20orf77, CREPT



Target/Specificity

Preferentially expressed in a range of tumor tissues including colon, lung, liver, breast, prostate, stomach, uterine endometrium and cervical cancers with higher levels in tumors than in adjacent non-tumor tissue (at protein level).

Dilution

WB~~1:1000<br \><span class
="dilution_IHC-P">IHC-P~~N/A<br \><span class
="dilution_IHC-F">IHC-F~~N/A<br \><span class
="dilution_IF">IF~~1:50~200<br \>ICC~~N/A<br \>ICC~~N/A<br \>ICC~~N/A<br \>ICC~~N/A

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.

CREPT Polyclonal Antibody - Protein Information

Name RPRD1B

Synonyms C20orf77, CREPT

Function

Interacts with phosphorylated C-terminal heptapeptide repeat domain (CTD) of the largest RNA polymerase II subunit POLR2A, and participates in dephosphorylation of the CTD by RPAP2. Transcriptional regulator which enhances expression of CCND1. Promotes binding of RNA polymerase II to the CCDN1 promoter and to the termination region before the poly-A site but decreases its binding after the poly-A site. Prevents RNA polymerase II from reading through the 3' end termination site and may allow it to be recruited back to the promoter through promotion of the formation of a chromatin loop. Also enhances the transcription of a number of other cell cycle-related genes including CDK2, CDK4, CDK6 and cyclin-E but not CDKN1A, CDKN1B or cyclin-A. Promotes cell proliferation.

Cellular Location

Nucleus

Tissue Location

Preferentially expressed in a range of tumor tissues including colon, lung, liver, breast, prostate, stomach, uterine endometrium and cervical cancers with higher levels in tumors than in adjacent non-tumor tissue (at protein level)

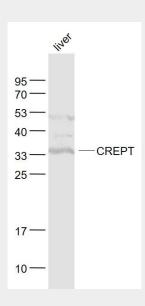
CREPT Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture



CREPT Polyclonal Antibody - Images



Sample:

Liver (Mouse) Lysate at 40 ug

Primary: Anti- CREPT (bs-9971R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 37 kD Observed band size: 35 kD