Elabscience Bionovation Inc.



A Reliable Research Partner in Life Science and Medicine

RPRD1B Monoclonal Antibody

catalog number: AN200235P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Human

Immunogen Recombinant Human RPRD1B Protein

 Host
 Mouse

 Isotype
 IgG1

 Clone
 A1087

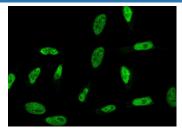
 Purification
 Protein A

Buffer 0.2 µm filtered solution in PBS

Applications Recommended Dilution

ICC/IF 1:20-1:100

Data



Immunofluorescence analysis of RPRD1B in Hela cells.
Cells were fixed with 4% PFA, permeabilzed with 0.1%
Triton X-100 in PBS,blocked with 10% serum, and incubated with mouse anti-Human RPRD1B monoclonal antibody (dilution ratio 1:60) at 4°C overnight. Then cells were stained with the Alexa Fluor®488-conjugated Goat Anti-mouse IgG secondary antibody (green). Positive staining was localized to Nucleus.

Preparation & Storage

Storage This antibody can be stored at 2°C-8°C for one month without detectable loss of

activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.

Shipping Ice bag

Background

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.

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