

Nucleolin (ANT0000R) Rabbit mAb

CatalogNo: ANT8059 **Recombinant** 

Formulation: PBS,50%glycerol,0.05%Proclin 300,0.05%BSA
Quantity : 100 ug/vial

Host Species

- Rabbit
- Human,Mouse
- WB,IHC,IF,IP,ELISA

Reactivity

Applications

MW

- 77kD (Calculated)
- 110kD (Observed)

Isotype

- IgG,Kappa

Recommended Dilution Ratios

IHC 1:200-1:1000

WB 1:500-1:2000

IF 1:200-1:1000

ELISA 1:5000-1:20000

IP 1:50-1:200,

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Basic Information

Clonality Monoclonal

Clone Number ANT0000R

Target Information

Endogenous

Gene name NCL
Protein Name Nucleolin (Protein C23)

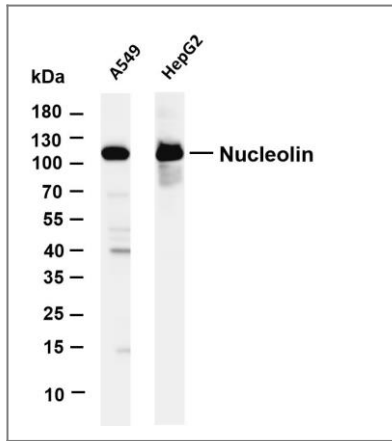
Organism	Gene ID	UniProt ID
Human	4691 ;	P19338 ;
Mouse		P09405 ;
Rat		P13383 ;

Cellular Localization Nucleus

Tissue specificity Brain,Cervix carcinoma,Epithelium,Hair follicle dermal papilla,Muscle,Retina,

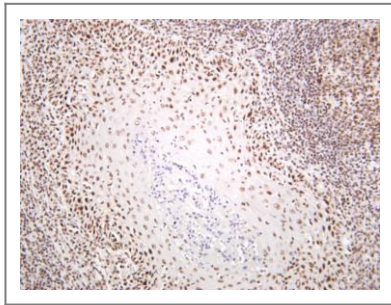
Function: Nucleolin is the major nucleolar protein of growing eukaryotic cells. It is found associated with intranucleolar chromatin and pre-ribosomal particles. It induces chromatin decondensation by binding to histone H1. It is thought to play a role in pre-rRNA transcription and ribosome assembly. May play a role in the process of transcriptional elongation. Binds RNA oligonucleotides with 5'-UUAGGG-3' repeats more tightly than the telomeric single-stranded DNA 5'-TTAGGG-3' repeats.,sequence Caution:Unlikely isoform. Aberrant splice sites.,similarity:Contains 4 RRM (RNA recognition motif) domains.,subunit:Interacts with APTX and NSUN2. Component of the SWAP complex that consists of NPM1, NCL/nucleolin, PARP1 and SWAP70. Component of a complex which is at least composed of HTATSF1/Tat-SF1, the P-TEFb complex components CDK9 and CCNT1, RNA polymerase II, SUPT5H, and NCL/nucleolin.,

Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Nucleolin (ANT0000R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: A549 Lane 2: HepG2
Predicted band size: 77kDa Observed band size: 110kDa

Human tonsil was stained with anti-Nucleolin (ANT0000R) rabbit antibody



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