

A Reliable Research Partner in Life Science and Medicine

Recombinant Nucleolin Monoclonal Antibody

catalog number: AN302000L

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

Description

Reactivity Human;Rat;Mouse

Immunogen Peptide. This information is proprietary to PTMab.

Host Rabbit Isotype lgG, κ Clone A720

Purification Protein Apurified

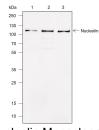
Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications Recommended Dilution

1:100000-1:1000000 **WB**

1:50 IHC

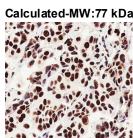
Data

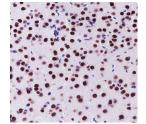


of 1:100W. Lane 1: MDA-MB-231, Lane 2: MCF-7, Lane 3: K562

Western Blot with Nucleolin Monoclonal Antibody at dilution Immunohistochemistry of paraffin-embedded Human colon using Nucleolin Monoclonal Antibody at dilution of 1:50.

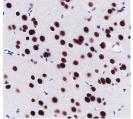
Observed-MW:110 kDa





Immunohistochemistry of paraffin-embedded Human breast 1:50

Immunohistochemistry of paraffin-embedded Mouse cancer using Nucleolin Monoclonal Antibody at dilution of cerebrum using Nucleolin Monoclonal Antibody at dilution of 1:50.



Immunohistochemistry of paraffin-embedded Rat cerebrum using Nucleolin Monoclonal Antibody at dilution of 1:50.

For Research Use Only

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Preparation & Storage

Storage Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping Ice bag

Background

Nucleolin is a multi-functional protein that is one of the major components of the nucleoli. Nucleolin plays an essential role in various steps of ribosome biogenesis including rRNA synthesis, processing of pre-rRNA, pre-ribosomal RNA assembly, and transport of ribosomal proteins out of the nucleus. Down regulation of nucleolin leads to increased expression of p53, defects in genome duplication, and a delay at prometaphase during mitosis leading to cell cycle arrest. In addition, nucleolin has been found in a complex with Rad51 and may participate in DNA repair by homologous recombination. Nucleolin binds to the catalytic subunit of the human telomerase reverse transcriptase, hTERT, and is thought to be involved in telomere maintenance. Nucleolin also possesses histone chaperone activity and is able to enhance the chromatin remodeling efficiency of SWItch/Sucrose Non Fermentable (SWI/SNF) and ATP-dependent chromatin-assembly factor (ACF), remove histone H2A-H2B dimers from nucleosomes, and facilitate the passage of RNA polymerase through chromatin.

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Rev. V1.1