

Cardinal Red™-conjugated Nucleolin/C23 Polyclonal antibody

Catalog Number: **CR-10556**

Basic Information

Catalog Number:

CR-10556

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0859

GenBank Accession Number:

BC006494

GeneID (NCBI):

4691

UNIPROT ID:

P19338

Full Name:

nucleolin

Calculated MW:

76 kDa

Observed MW:

100-110 kDa

Purification Method:

Antigen affinity purification

Excitation/Emission maxima wavelengths:

592 nm / 611 nm

Applications

Tested Applications:

Species Specificity:

human, mouse, rat

Background Information

Nucleolin, also known as C23, involved in the control of transcription of ribosomal RNA (rRNA) genes by RNA polymerase I, in nucleocytoplasmic transportation of ribosomal components, and in ribosome maturation and assembly. It associated with intranucleolar chromatin and pre-ribosomal particles, and induced chromatin decondensation by binding to histone H1. Also it has a role in the process of transcriptional elongation. Whilst mammalian nucleolin has a predicted molecular mass of approximately 77 kDa, the apparent molecular mass is between 100 and 110 kDa, and has been attributed to the amino acid composition of the N-terminal domain, which is highly phosphorylated. (PMID: 15925566)

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

