

# CoraLite® Plus 647-conjugated Nucleolin/C23 Polyclonal antibody

Catalog Number: **CL647-10556**

## Basic Information

**Catalog Number:**

CL647-10556

**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:**

654 nm / 674 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

