

# CoraLite® Plus 488-conjugated HNRNPU Polyclonal antibody

Catalog Number: **CL488-14599**

## Basic Information

**Catalog Number:**

CL488-14599

**Size:**

1000 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG6141

**GenBank Accession Number:**

BC003621

**GeneID (NCBI):**

3192

**UNIPROT ID:**

Q00839

**Full Name:**

heterogeneous nuclear  
ribonucleoprotein U (scaffold  
attachment factor A)

**Calculated MW:**

825 aa, 91 kDa

**Observed MW:**

120 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

IF/ICC 1:50-1:500

**Excitation/Emission maxima  
wavelengths:**

493 nm / 522 nm

## Applications

**Tested Applications:**

IF/ICC

**Species Specificity:**

human, mouse, rat

**Positive Controls:**

IF/ICC : HeLa cells,

## Background Information

HNRNPU, also named as HNRPU, SAFA, and U21.1, is a 825 amino acid protein, which is extensively phosphorylated. HNRNPU as a component of ribonucleosomes localized in cytoplasmic mRNP granules containing untranslated mRNAs. HNRNPU is a component of the CRD-mediated complex that promotes MYC mRNA stabilization. HNRNPU Plays a role in the circadian regulation of the core clock component ARNTL/BMAL1 transcription. The calculated molecular weight of HNRNPU is 90 kDa, but the 120 kDa HNRNPU protein is an abundant nucleoplasmic phosphoprotein that can be crosslinked to pre-mRNA in intact cells by UV light (PMID: 1628625).

## Storage

**Storage:**

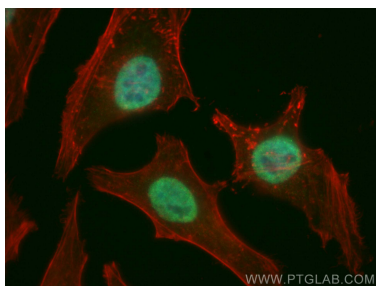
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

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

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 488 HNRNPU antibody (CL488-14599) at dilution of 1:200, CL594-phalloidin (red).