# CoraLite® Plus 488-conjugated Cyclin A2 Polyclonal antibody

Catalog Number:CL488-18202   Featured Product

**proteintech®**
Antibodies | ELISA kits | Proteins
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## Basic Information

**Catalog Number:**
CL488-18202

**Concentration:**
1000 μg/ml

**Source:**
Rabbit

**Isotype:**
IgG

**Immunogen Catalog Number:**
AG12765

**GenBank Accession Number:**
BC104783

**GeneID (NCBI):**
890

**UNIPROT ID:**
P20248

**Full Name:**
cyclin A2

**Calculated MW:**
432 aa, 49 kDa

**Purification Method:**
Antigen affinity purification

**Recommended Dilutions:**
IF/ICC: 1:50-1:500
FC (Intra): 0.40 ug per 10^6 cells in a 100 μl suspension

**Excitation/Emission maxima wavelengths:**
493 nm / 522 nm

## Applications

**Tested Applications:**
IF/ICC, FC (Intra)

**Species Specificity:**
human, mouse

**Positive Controls:**

**IF/ICC :** HeLa cells,

**FC (Intra) :** HeLa cells,

## Background Information

Cyclin A2 belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. In contrast to cyclin A1, which is present only in germ cells, this cyclin is expressed in all tissues tested. Cyclin A2 binds and activates CDC2 or CDK2 kinases, and thus promotes both cell cycle G1/S and G2/M transitions. Cyclin A2 could be phosphorylated during the G2/M.
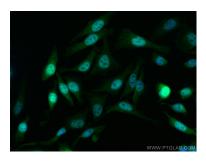
## Storage

**Storage:**
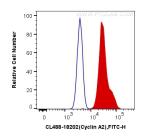Store at -20℃. Avoid exposure to light. Stable for one year after shipment.
**Storage Buffer:**
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 488 Cyclin A2 antibody (CL488-18202) at dilution of 1:100.



1X10^6 HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human Cyclin A2 (CL488-18202) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).