

# CoraLite®594-conjugated CTPS2 Monoclonal antibody

Catalog Number: **CL594-67734**

## Basic Information

**Catalog Number:**

CL594-67734

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG2a

**Immunogen Catalog Number:**

AG30258

**GenBank Accession Number:**

BC034986

**GeneID (NCBI):**

56474

**UNIPROT ID:**

Q9NRF8

**Full Name:**

CTP synthase II

**Calculated MW:**

586 aa, 66 kDa

**Observed MW:**

66 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

1A3B8

**Recommended Dilutions:**

IF/ICC 1:50-1:500

**Excitation/Emission maxima  
wavelengths:**

588 nm / 604 nm

## Applications

**Tested Applications:**

IF/ICC

**Species Specificity:**

Human, Mouse

**Positive Controls:**

IF/ICC : PC-12 cells,

## Background Information

CTPS2 (CTP synthase 2) is also named as UTP--ammonia ligase 2 and belongs to the CTP synthase family. It catalyzes the ATP-dependent amination of UTP to CTP with either L-glutamine or ammonia as the source of nitrogen and constitutes the rate-limiting enzyme in the synthesis of cytosine nucleotides.

## Storage

**Storage:**

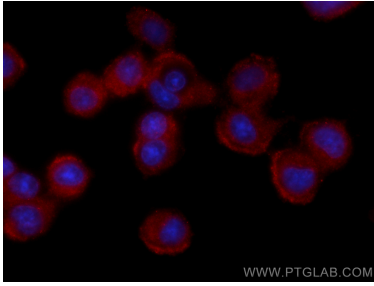
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

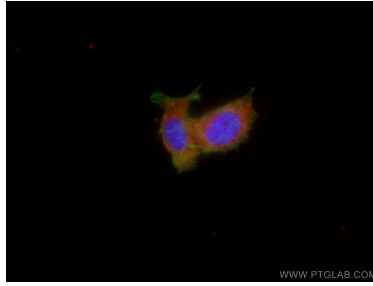
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed PC-12 cells using CoraLite® 594 CTP52 antibody (CL594-67734, Clone: 1A3B8 ) at dilution of 1:200.



Immunofluorescent analysis of (4% PFA) fixed PC-12 cells using CoraLite® 594 CTP52 antibody (CL594-67734, Clone: 1A3B8 ) at dilution of 1:200, CL488-Phalloidin (green).