

For Research Use Only

# CoraLite®594-conjugated calreticulin Recombinant monoclonal antibody

Catalog Number:CL594-85593-6



## Basic Information

Catalog Number:

CL594-85593-6

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG3005

GenBank Accession Number:

NM\_007591.3

GeneID (NCBI):

12317

UNIPROT ID:

P14211

Full Name:

calreticulin

Calculated MW:

48 kDa

Purification Method:

Protein A purification

CloneNo.:

243011A9

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, rat

Positive Controls:

IF/ICC : U2OS cells,

## Background Information

CALR, also named as grp60, ERp60, HACBP, CRP55, CRTC and Calregulin, belongs to the calreticulin family. It is a molecular calcium-binding chaperone promoting folding, oligomeric assembly and quality control in the ER via the calreticulin/calnexin cycle. CALR is a ER marker. It interacts transiently with almost all of the monoglucosylated glycoproteins that are synthesized in the ER. CALR interacts with the DNA-binding domain of NR3C1 and mediates its nuclear export.

## 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, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

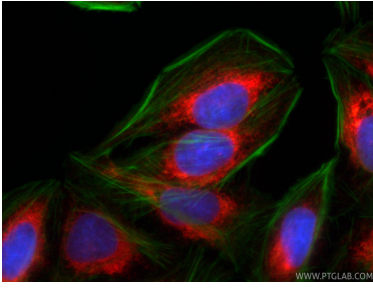
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using CoraLite® 594 calreticulin antibody (CL594-85593-6, Clone: 243011A9) at dilution of 1:200, CL488-phalloidin (green).