

For Research Use Only

APC-conjugated calreticulin Polyclonal antibody

Catalog Number: APC-27298

Featured Product



Basic Information

Catalog Number:

APC-27298

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG26064

GenBank Accession Number:

BC002500

GeneID (NCBI):

811

UNIPROT ID:

P27797

Full Name:

calreticulin

Calculated MW:

60 kDa

Observed MW:

55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF/ICC: 1:50-1:500

Excitation/Emission maxima wavelengths:

650 nm / 660 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. The MW of CALR migrates aberrantly at 60 kD by SDS-PAGE. Some study provided that it's a new possibility for CRT-mediated tumor immune prevention and treatment.

Storage

Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

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

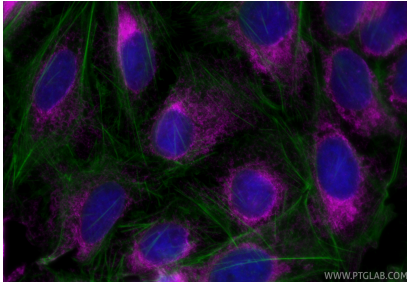
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using APC calreticulin antibody (APC-27298) at dilution of 1:200, CL488-Phalloidin (green).