

For Research Use Only

CoraLite® Plus 647-conjugated calreticulin Recombinant monoclonal antibody

Catalog Number: CL647-85593-6



Basic Information

Catalog Number: CL647-85593-6	GenBank Accession Number: NM_007591.3	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 12317	CloneNo.: 243011A9
Source: Rabbit	UNIPROT ID: P14211	Recommended Dilutions: IF/ICC: 1:50-1:500
Isotype: IgG	Full Name: calreticulin	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Immunogen Catalog Number: EG3005	Calculated MW: 48 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : U2OS cells,
Species Specificity: human, mouse, rat	

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

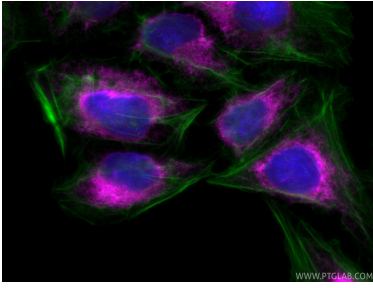
For technical support and original validation data for this product please contact:

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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 CoraLite® Plus 647 calreticulin antibody (CL647-85593-6, Clone: 243011A9) at dilution of 1:200, CL488-phalloidin (green).