

For Research Use Only

CoraLite® Plus 750-conjugated calreticulin Recombinant antibody



Catalog Number: CL750-80017

Basic Information

Catalog Number: CL750-80017	GenBank Accession Number: BC002500	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 811	CloneNo.: 2B17
Source: Rabbit	UNIPROT ID: P27797	Recommended Dilutions: WB 1:500-1:2000
Isotype: IgG	Full Name: calreticulin	Excitation/Emission maxima wavelengths: 755 nm / 780 nm
Immunogen Catalog Number: AG26064	Calculated MW: 60 kDa	
	Observed MW: 50-55 kDa	

Applications

Tested Applications: WB	Positive Controls: WB : Jurkat cells, K-562 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. The MW of CALR migrates aberrantly at 55 kDa by SDS-PAGE. Some study provided that it's a new possibility for CRT-mediated tumor immune prevention and treatment.

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

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

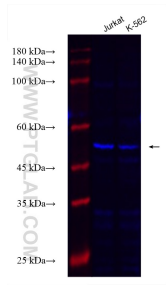
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with CL750-80017 (calreticulin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.