

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: 100ul , Concentration: 1000 ug/ml by Nanodrop;	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.

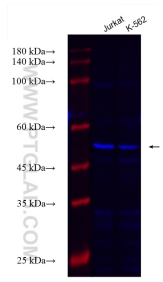
Storage

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: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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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.

1x10⁶ K-562 cells were intracellularly stained with 0.4 ug Coralite® Plus 750-conjugated calreticulin Recombinant antibody (CL750-80017, Clone:2B17)(red), or 0.4 ug Isotype Control (CL750-30000) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).