

For Research Use Only

CoraLite® Plus 488-conjugated LBR Polyclonal antibody



Catalog Number: CL488-12398

Basic Information

Catalog Number: CL488-12398	GenBank Accession Number: BC020079	Purification Method: Antigen affinity purification
Size: 1000 µg/ml	GeneID (NCBI): 3930	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Source: Rabbit	UNIPROT ID: Q14739	
Isotype: IgG	Full Name: lamin B receptor	
Immunogen Catalog Number: AG3088	Calculated MW: 615 aa, 71 kDa	
	Observed MW: 58 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human, mouse, rat

Background Information

Lamin-B receptor (LBR) is an integral membrane protein of the inner nuclear membrane that contains a hydrophilic N-terminal end protruding into the nucleoplasm, eight hydrophobic segments that span the membrane and a short, nucleoplasmic C-terminal tail (PMID: 28858257). LBR anchors the lamina and the heterochromatin to the inner nuclear membrane (PMID: 10828963; 28858257). It is also essential for cholesterol synthesis (PMID: 27336722). Mutations of the LBR gene have been associated with autosomal recessive HEM/Greenberg skeletal dysplasia and Pelger-Huët anomaly and Greenberg skeletal dysplasia (PMID: 12618959; 12490533). The calculated molecular mass of LBR is 71 kDa, which is larger than the apparent molecular mass of 58 kDa, probably due to the aberrant migration of membrane proteins subjected to SDS-PAGE (PMID: 2847165; 2170422).

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:

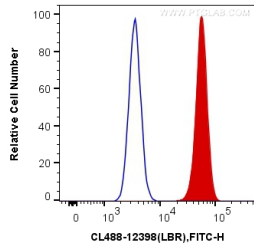
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug Coralite® Plus 488 Anti-Human LBR (CL488-12398) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).