

For Research Use Only

# CoraLite® Plus 647-conjugated LBR Polyclonal antibody



Catalog Number:CL647-12398

## Basic Information

<b>Catalog Number:</b> CL647-12398	<b>GenBank Accession Number:</b> BC020079	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3930	<b>Excitation/Emission maxima wavelengths:</b> 654 nm / 674 nm
<b>Source:</b> Rabbit	<b>Full Name:</b> lamin B receptor	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 615 aa, 71 kDa	
<b>Immunogen Catalog Number:</b> AG3088	<b>Observed MW:</b> 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.

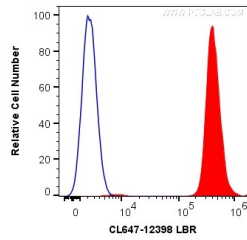
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

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) E: proteintech@ptglab.com W: ptglab.com

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

## Selected Validation Data



1X10<sup>6</sup> Jurkat cells were intracellularly stained with 0.2 ug CoraLite® Plus 647 Anti-Human LBR (CL647-12398) (red), or 0.2 ug isotype control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).