

For Research Use Only

# CoraLite®555-conjugated LARP1 Monoclonal antibody



Catalog Number:CL555-67810

## Basic Information

<b>Catalog Number:</b> CL555-67810	<b>GenBank Accession Number:</b> BC033856	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 23367	<b>CloneNo.:</b> 2E9F2
<b>Source:</b> Mouse	<b>Full Name:</b> La ribonucleoprotein domain family, member 1	<b>Recommended Dilutions:</b> IF 1:200-1:800
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 1096 aa, 124 kDa	<b>Excitation/Emission maxima wavelengths:</b> 555 nm / 570 nm
<b>Immunogen Catalog Number:</b> AG29993	<b>Observed MW:</b> 140-150 kDa	

## Applications

<b>Tested Applications:</b> FC (Intra), IF	<b>Positive Controls:</b> IF : HepG2 cells,
<b>Species Specificity:</b> Human, mouse, rat	

## Background Information

LARP1, full named as La-related Protein 1, is an oncogenic RNA-binding protein required for ribosome biogenesis and cancer cell survival. (PMID: 32286153)It's has been proposed to function downstream of mTORC1 to regulate the translation of 5'TOP mRNAs such as those encoding ribosome proteins (RP). (PMID: 28650797) LARP1 has 2 isoforms with MW of 123-150kDa. With CL647, immunoflorecence detected location in cytoplasm.

## Storage

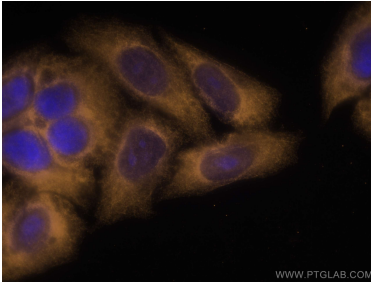
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite®555 LARP1 antibody (CL555-67810, Clone: 2E9F2) at dilution of 1:400.



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.4 ug CoraLite®555 Anti-Human LARP1 (CL555-67810, Clone:2E9F2) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).