

For Research Use Only

# CoraLite®594-conjugated LRPPRC Monoclonal antibody



Catalog Number:CL594-67679

## Basic Information

<b>Catalog Number:</b> CL594-67679	<b>GenBank Accession Number:</b> BC050311	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10128	<b>CloneNo.:</b> 3H7E1
<b>Source:</b> Mouse	<b>Full Name:</b> leucine-rich PPR-motif containing	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG2b	<b>Calculated MW:</b> 1394 aa, 158 kDa	<b>Excitation/Emission maxima wavelengths:</b> 593 nm / 614 nm
<b>Immunogen Catalog Number:</b> AG30261	<b>Observed MW:</b> 130 kDa	

## Applications

<b>Tested Applications:</b> IF	<b>Positive Controls:</b> IF : HEK-293 cells,
<b>Species Specificity:</b> Human	

## Background Information

LRPPRC (also called LRP130 or GP130) is a 130-kDa RNA-binding protein of the pentatricopeptide repeat family. LRPPRC localizes primarily to the mitochondria where it binds to poly(A) mRNA. It plays a role in translation or stability of mitochondrially encoded cytochrome c oxidase (COX) subunits. LRPPRC has also been shown to regulate nuclear gene transcription and to bind specific RNA molecules in both the nucleus and the cytoplasm. Mutations in LRPPRC gene are associated with the French-Canadian type of Leigh syndrome.

## Storage

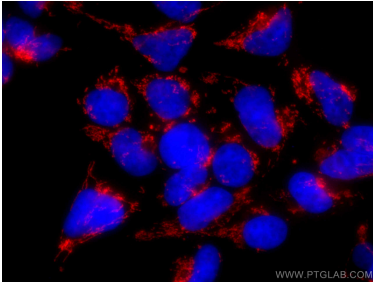
**Storage:**  
Store at -20°C. Avoid exposure to light.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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](mailto:proteintech@ptglab.com) W: [ptglab.com](http://ptglab.com)

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using CoraLite@594 LRPPRC antibody (CL594-67679, Clone: 3H7E1) at dilution of 1:200.