

# CoraLite® Plus 488-conjugated LRPPRC Monoclonal antibody

Catalog Number: **CL488-67679**

## Basic Information

**Catalog Number:**

CL488-67679

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG2b

**Immunogen Catalog Number:**

AG30261

**GenBank Accession Number:**

BC050311

**GeneID (NCBI):**

10128

**UNIPROT ID:**

P42704

**Full Name:**

leucine-rich PPR-motif containing

**Calculated MW:**

1394 aa, 158 kDa

**Observed MW:**

130 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

3H7E1

**Recommended Dilutions:**

IF/ICC 1:50-1:500

**Excitation/Emission maxima wavelengths:**

493 nm / 522 nm

## Applications

**Tested Applications:**

IF/ICC

**Species Specificity:**

Human

**Positive Controls:**

IF/ICC : HeLa cells,

## 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:**

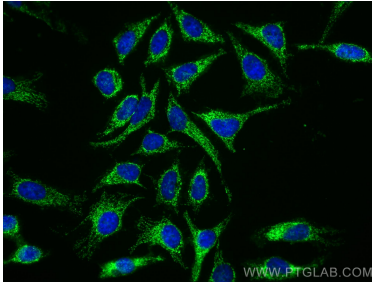
Store at -20°C. Avoid exposure to light.

**Storage Buffer:**

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using Coralite® Plus 488 LRPPRC antibody (CL488-67679, Clone: 3H7E1) at dilution of 1:200.