

CoraLite®594-conjugated LRPPRC

Monoclonal antibody

Catalog Number: **CL594-67679**

Basic Information

Catalog Number:

CL594-67679

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:

588 nm / 604 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

Human

Positive Controls:

IF/ICC : HEK-293 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:

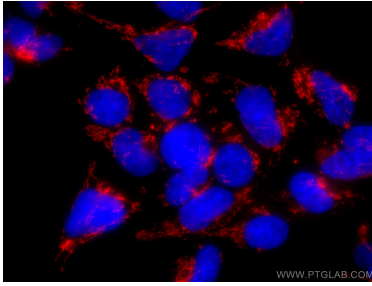
Store at -20°C. Avoid exposure to light.

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 HEK-293 cells using CoraLite®594 LRPPRC antibody (CL594-67679, Clone: 3H7E1) at dilution of 1:200.