

Allgemeine Informationen

Katalog-Nr.:

CL647-14795

Größe:

100ul , Konzentration: 1 mg/mL von
Nanodrop;

Wirt:

Kaninchen

Isotyp:

IgG

Immunogen Katalognummer:

AG6504

GenBank-Zugangsnummer:

BC002344

GeneID (NCBI):

6182

Vollständiger Name:

mitochondrial ribosomal protein L12

Berechnete Masse:

21 kDa

Beobachtete Masse:

21 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Anregungs-/Emissionsmaxima-

Wellenlängen:

654 nm / 674 nm

Anwendungen

Geprüfte Anwendungen:

FC (Intra)

Getestete Reaktivität:

Human, Maus, Ratte

Hintergrundinformationen

Mammalian MRPL12 was the first mitochondrial ribosomal protein to be characterized, and is encoded by a nuclear gene. The protein forms a homodimer, localizes predominantly to mitochondria and binds to the large mitochondrial ribosomal subunit [PMID:862670]. It is required for CycD/Cdk4-induced cell growth. In addition, forming a ribosomal stalk with MRPL7, MRPL12 is required for the recruitment of translation elongation factors Tu and G to the large ribosomal subunit [PMID:12370014]. It also a part of a novel regulatory mechanism that coordinates mitochondrial transcription with translation and/or ribosome biogenesis during human mitochondrial gene expression. The antibody reacts specifically with 21kDa MRPL12 protein.

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Vor Licht schützen. Nach dem Versand ein Jahr stabil.

Lagerungspuffer:

BS mit 50% Glycerin, 0,05% Proclin300, 0,5% BSA, pH 7,3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

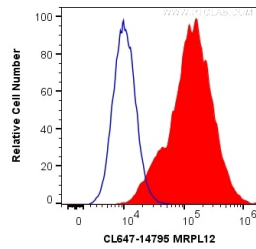
For technical support and original validation data for this product please contact:

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

Ausgewählte Validierungsdaten



1X10⁶ HeLa cells were intracellularly stained with 0.2 ug CoraLite® Plus 647 Anti-Human MRPL12 (CL647-14795) (red), or 0.2 ug isotype control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).