

Product datasheet for CF505301

Mitochondrial ribosomal protein L11 (MRPL11) Mouse Monoclonal Antibody [Clone ID: OTI3G2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3G2
Applications:	IF, WB
Recommended Dilution:	WB 1:500, IF 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human MRPL11(NP_057134) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	20.5 kDa
Gene Name:	mitochondrial ribosomal protein L11
Database Link:	NP_057134 Entrez Gene 65003 Human Q9Y3B7

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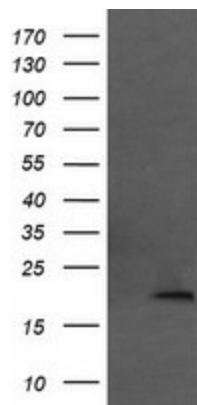
Background:

Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 39S subunit protein. Sequence analysis identified three transcript variants that encode different isoforms. Pseudogenes corresponding to this gene are found on chromosomes 5q and 12q. [provided by RefSeq, Jul 2008]

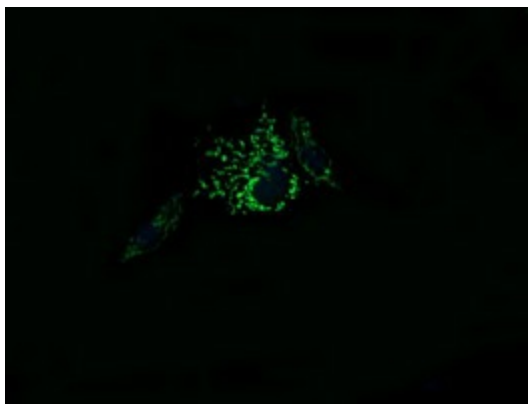
Synonyms:

CGI-113; L11MT; MRP-L11

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY MRPL11 ([RC200033], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-MRPL11. Positive lysates [LY414217] (100ug) and [LC414217] (20ug) can be purchased separately from OriGene.



Anti-MRPL11 mouse monoclonal antibody ([TA505301]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY MRPL11 ([RC200033]).