

**MRPL46 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP19153B****Specification**

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**MRPL46 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q9H2W6</a>
Other Accession	<a href="#">Q3SZ22</a> , <a href="#">NP_071446.2</a>
Reactivity	Human
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	31705
Antigen Region	248-274

**MRPL46 Antibody (C-term) - Additional Information****Gene ID** 26589**Other Names**

39S ribosomal protein L46, mitochondrial, L46mt, MRP-L46, P2ECSL, MRPL46, C15orf4, LIECG2

**Target/Specificity**

This MRPL46 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 248-274 amino acids from the C-terminal region of human MRPL46.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

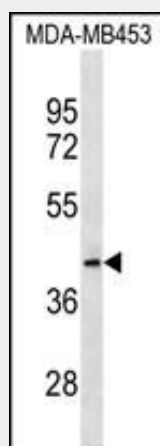
MRPL46 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**MRPL46 Antibody (C-term) - Protein Information****Name** MRPL46**Synonyms** C15orf4, LIECG2

**Cellular Location**  
Mitochondrion**MRPL46 Antibody (C-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**MRPL46 Antibody (C-term) - Images**

MRPL46 Antibody (C-term) (Cat. #AP19153b) western blot analysis in MDA-MB453 cell line lysates (35ug/lane). This demonstrates the MRPL46 antibody detected the MRPL46 protein (arrow).

**MRPL46 Antibody (C-term) - 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. [provided by RefSeq].

**MRPL46 Antibody (C-term) - References**

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :  
Lamesch, P., et al. Genomics 89(3):307-315(2007)

Zhang, Z., et al. Genomics 81(5):468-480(2003)  
Koc, E.C., et al. J. Biol. Chem. 276(47):43958-43969(2001)  
Carim-Todd, L., et al. DNA Seq. 12(2):91-96(2001)