

MRPL41 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP53306**Specification**

MRPL41 Antibody - Product Information

Application	WB
Primary Accession	Q8IXM3
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	15 KDa
Antigen Region	85-134

MRPL41 Antibody - Additional Information**Gene ID** 64975**Other Names**

39S ribosomal protein L41, mitochondrial, L41mt, MRP-L41, 39S ribosomal protein L27 homolog, Bcl-2-interacting mitochondrial ribosomal protein L41, Cell proliferation-inducing gene 3 protein, MRP-L27 homolog, MRPL41, BMRP, MRPL27, RPML27

Dilution

WB~~ 1:1000

Format

Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol

Storage

Store at -20 °C.Stable for 12 months from date of receipt

MRPL41 Antibody - Protein Information**Name** MRPL41**Synonyms** BMRP, MRPL27, RPML27**Function**

Component of the mitochondrial ribosome large subunit (PubMed:25278503, PubMed:25838379, PubMed:28892042, PubMed:35177605). Also involved in apoptosis and cell cycle (PubMed:16024796, PubMed:16256947). Enhances p53/TP53 stability, thereby contributing to

p53/TP53-induced apoptosis in response to growth-inhibitory condition. Enhances p53/TP53 translocation to the mitochondria. Has the ability to arrest the cell cycle at the G1 phase, possibly by stabilizing the CDKN1A and CDKN1B (p27Kip1) proteins (PubMed:16024796).

Cellular Location

Mitochondrion

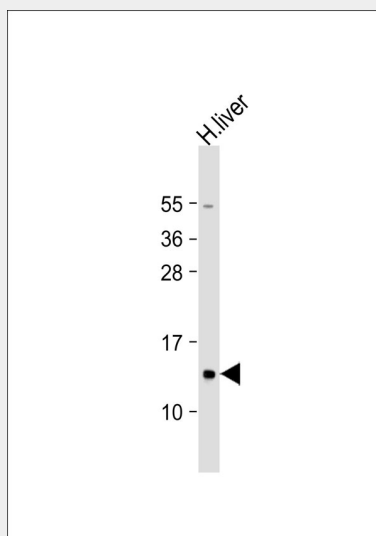
Tissue Location

Present in kidney, liver, thymus and testis, and at lower level in brain and spleen (at protein level)

MRPL41 Antibody - 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](#)

MRPL41 Antibody - Images

Anti-MRPL41 Antibody at 1:1000 dilution + human liver lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 15 kDa Blocking/Dilution buffer: 5% NFD/MTBST.

MRPL41 Antibody - Background

Component of the mitochondrial ribosome large subunit. Also involved in apoptosis and cell cycle. Enhances p53/TP53 stability, thereby contributing to p53/TP53-induced apoptosis in response to growth-inhibitory condition. Enhances p53/TP53 translocation to the mitochondria. Has the ability to arrest the cell cycle at the G1 phase, possibly by stabilizing the CDKN1A and CDKN1B (p27Kip1) proteins.

MRPL41 Antibody - References

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Kenmochi N.,et al.Genomics 77:65-70(2001).
Koc E.C.,et al.J. Biol. Chem. 276:43958-43969(2001).
Chintharlapalli S.R.,et al.J. Cell. Biochem. 94:611-626(2005).