

MRP-L41 Polyclonal Antibody

Catalog # AP71046

Product Information

Application WB, IHC-P Primary Accession OSIXM3

Reactivity Human, Mouse, Rat

Host Rabbit
Clonality Polyclonal
Calculated MW 15383

Additional Information

Gene ID 64975

Other Names MRPL41; BMRP; MRPL27; RPML27; PIG3; 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 homo

Dilution WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300.

ELISA: 1/40000. Not yet tested in other applications. IHC-P~~N/A

Format Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium

azide.

Storage Conditions -20°C

Protein Information

Name MRPL41

Synonyms BMRP, MRPL27, RPML27

Function Component of the mitochondrial ribosome large subunit

(PubMed:<u>25278503</u>, PubMed:<u>25838379</u>, PubMed:<u>28892042</u>, PubMed:<u>35177605</u>). Also involved in apoptosis and cell cycle

(PubMed:<u>16024796</u>, PubMed:<u>16256947</u>). 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

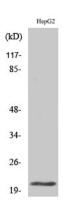
Tissue Location Present in kidney, liver, thymus and testis, and at lower level in brain and

spleen (at protein level)

Background

Component of the mitochondrial ribosome large subunit (PubMed: 28892042, PubMed:25838379, PubMed:25278503). 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).

Images



Western Blot analysis of various cells using MRP-L41 Polyclonal Antibody

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