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MRP-L41 Polyclonal Antibody

Catalog # AP71046

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	Q8IXM3
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 IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

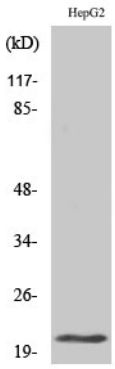
Name	MRPL41
Synonyms	BMRP, MRPL27, RPML27
Function	Component of the mitochondrial ribosome large subunit (PubMed:25278503, PubMed:25838379, PubMed:28892042, PubMed:35177605). Also involved in apoptosis and cell cycle (PubMed:16024796, PubMed:16256947). Enhances p53/TP53 stability, thereby contributing 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)

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.