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Anti-MRPL41 / PIG3 / BMRP Antibody (aa81-130)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18075

Product Information

Application	WB, IHC-P, E
Primary Accession	Q8IXM3
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	15383

Additional Information

Gene ID	64975
Alias Symbol	MRPL41
Other Names	MRPL41, BMRP, L41mt, MRP-L41, PIG3, MRP-L27, MRP-L27 homolog, Proliferation-inducing gene 3, RPML27
Target/Specificity	MRPL41 Antibody detects endogenous levels of total MRPL41 protein.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-MRPL41 / PIG3 / BMRP Antibody (aa81-130) is for research use only and not for use in diagnostic or therapeutic procedures.

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)

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