

MRP63 Rabbit pAb

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Catalog # AP55276

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9BQC6
Reactivity	Mouse
Predicted	Rat, Human, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	12266
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MRP63
Epitope Specificity	11-80/102
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Mitochondrion.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Mammalian mitochondrial ribosomes (mitoribosomes) are responsible for protein synthesis within the mitochondrion. The mitoribosomes are composed of a 4:1 ratio of protein to RNA, with the proteins forming two subunits, the 28S subunit and the 39S subunit. Across species, the proteins that make up the mitoribosome subunits vary greatly in sequence, preventing easy recognition by sequence homology. MRP-63 102 amino acid protein that has been identified on the intact 55S mitoribosome subunit. It is theorized that MRP-63 localizes to the subunit interface and dissociates from the 55S mitoribosome during subunit separation.

Additional Information

Gene ID	78988
Other Names	Large ribosomal subunit protein mL63, Mitochondrial ribosomal protein 63, Mitochondrial ribosomal protein L57, Ribosomal protein 63, mitochondrial, hMRP63, MRPL57, MRP63
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

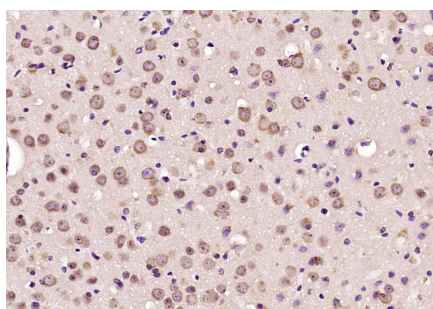
Protein Information

Name	MRPL57
Synonyms	MRP63
Cellular Location	Mitochondrion

Background

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Images



Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MRP63) Polyclonal Antibody, Unconjugated (AP55276) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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