

Product datasheet for AP21193PU-S

Product datasneet for APZ 1193PU-3

MRPS25 Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WE

Recommended Dilution: Western blot: 1/500 - 1/1000.

Reactivity: Human, Mouse, Rat

Host: Rabbit

Clonality: Polyclonal

Specificity: This antibody detects endogenous levels of MRP-S25 protein.

(region surrounding Lys168)

Formulation: Phosphate buffered saline (PBS), pH 7.2

State: Aff - Purified

State: Liquid purified lg fraction Preservative: 0.05% sodium azide

Concentration: 1.0 mg/ml

Purification: Affinity chromatography using epitope-specific immunogen (> 95% pure by SDS-PAGE)

Conjugation: Unconjugated

Storage: Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

Predicted Protein Size: ~ 20 kDa

Gene Name: mitochondrial ribosomal protein S25

Database Link: Entrez Gene 64658 MouseEntrez Gene 297459 RatEntrez Gene 64432 Human

P82663



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MRPS25 Rabbit Polyclonal Antibody - AP21193PU-S

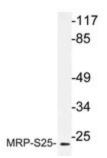
Background:

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-S25 (mitochondrial 28S ribosomal protein S25), also known as S25mt, is a 173 amino acid mitochondrial ribosomal protein belonging to the ribosomal protein S25/L51 family. Localized to mitochondria, MRP-S25 is present in the 28S subunit of the mitoribosomes.

Synonyms:

S25mt, RPMS25, MRP-S25

Product images:



Western blot (WB) analysis of MRP-S25 antibody (Cat.-No.: [AP21193PU-N]) extracts from 293 cells