

Product datasheet for **TA365926**

MRPS36 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Mouse heart tissue lysate IHC: 100-300 Positive control: Human prostate cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human MRPS36
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	11 kDa
Gene Name:	mitochondrial ribosomal protein S36
Database Link:	Entrez Gene 92259 Human P82909



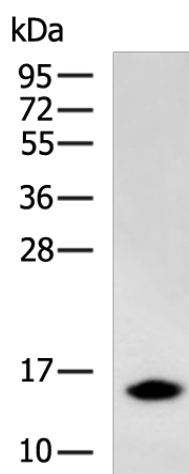
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Background:

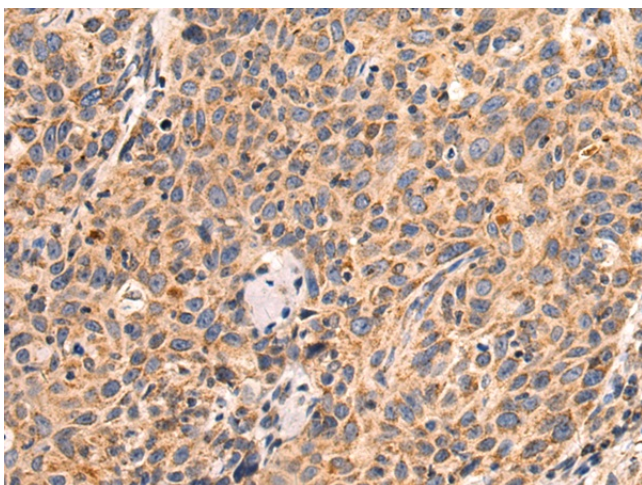
Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. The mitochondrial ribosome (mitoribosome) consists of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 28S subunit protein. Pseudogenes corresponding to this gene are found on chromosomes 3p, 4q, 8p, 11q, 12q, and 20p.

Synonyms:

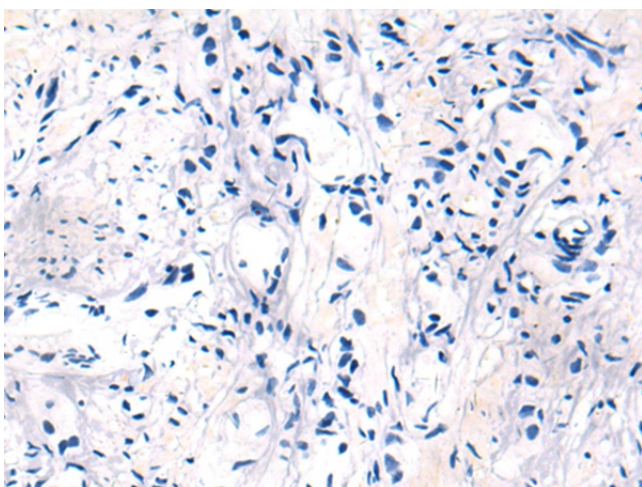
DC47; MGC22896; MRP-S36; S36mt

Product images:

Gel: 10%SDS-PAGE
Lysate: 40 µg
Lane: Mouse heart tissue lysate
Primary antibody: TA365926 (MRPS36 Antibody)
at dilution 1/300
Secondary antibody: Goat anti rabbit IgG at
1/5000 dilution
Exposure time: 20 seconds



Immunohistochemistry of paraffin-embedded
Human prostate cancer tissue using TA365926
(MRPS36 Antibody) at dilution 1/105 (Original
magnification: ×200)



Immunohistochemistry of paraffin-embedded Human prostate cancer tissue using TA365926 (MRPS36 Antibody) at dilution 1/105, treated with fusion protein. (Original magnification: $\times 200$)