

Product datasheet for **TA365224S**

MRPS18C Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: 231□Hela□K562 cell and Human bladder carcinoma tissue IHC: 25-100 Positive control: Human breast cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Full length fusion protein
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	16 kDa
Gene Name:	mitochondrial ribosomal protein S18C
Database Link:	Entrez Gene 51023 Human Q9Y3D5



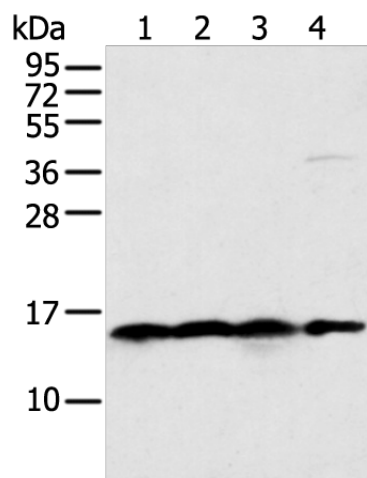
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Background:

Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist 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.

Synonyms:

CGI-134; FLJ111146; FLJ22967; MRP-S18-1; MRP-S18-c; MRPS18-1; Mrps18-c; S18mt-c

Product images:

Gel: 12%SDS-PAGE

Lysate: 40 µg

Lane 1-4: 231

Hela

K562 cell and Human bladder carcinoma tissue

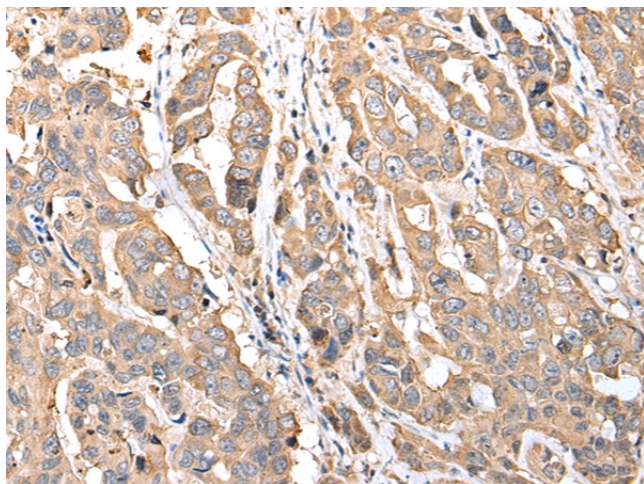
Primary antibody: [TA365224] (MRPS18C

Antibody) at dilution 1/400

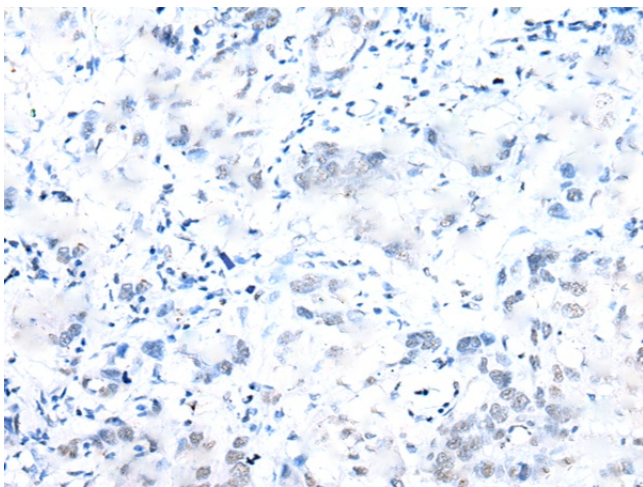
Secondary antibody: Goat anti rabbit IgG at

1/8000 dilution

Exposure time: 5 seconds



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using [TA365224] (MRPS18C Antibody) at dilution 1/20 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using [TA365224] (MRPS18C Antibody) at dilution 1/20, treated with fusion protein. (Original magnification: ×200)