

MRPL40 Polyclonal Antibody

Catalog Number:E-AB-53084

Note: Centrifuge before opening to ensure complete recovery of vial contents.

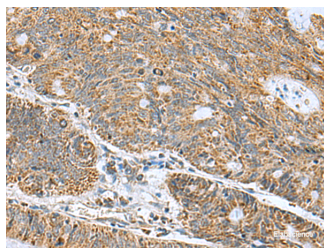
Description

| | |
|---------------------|--|
| Reactivity | Human |
| Immunogen | Fusion protein of human MRPL40 |
| Host | Rabbit |
| Isotype | IgG |
| Purification | Antigen affinity purification |
| Conjugation | Unconjugated |
| Formulation | PBS with 0.05% NaN ₃ and 40% Glycerol,pH7.4 |

Applications Recommended Dilution

| | |
|--------------|----------------|
| IHC | 1:50-1:200 |
| ELISA | 1:5000-1:10000 |

Data



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using MRPL40 Polyclonal Antibody at dilution of 1:50(×200)

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

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. This gene encodes a 39S subunit protein. Deletions in this gene may contribute to the etiology of velo-cardio-facial syndrome and DiGeorge syndrome. MRPL40 (Mitochondrial Ribosomal Protein L40) is a Protein Coding gene. Diseases associated with MRPL40 include Mrpl40-Related Disorder and Velocardiofacial Syndrome. Among its related pathways are Mitochondrial translation and Organelle biogenesis and maintenance. GO annotations related to this gene include poly(A) RNA binding.

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