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订购热线: 4008-898-798

Anti-MRPL39 antibody

Product overview

Cat. No. ml122701
Package 25 µl/100 µl/200 µl
Storage -20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Target information

Description Anti-MRPL39 rabbit polyclonal antibody
Applications ELISA, WB, IHC
Immunogen Fusion protein of human MRPL39
Reactivity Human, Mouse
Content 0.5 mg/ml
Host species Rabbit
Ig class Immunogen-specific rabbit IgG
Purification Antigen affinity purification

Symbol MRPL39
Full name mitochondrial ribosomal protein L39
Synonyms L39mt; MRPL5; RPML5; MRP-L5; PRED22; PRED66; MSTP003; C21orf92
Swissprot Q9NYK5

Target 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.

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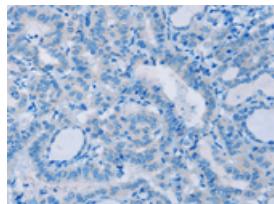
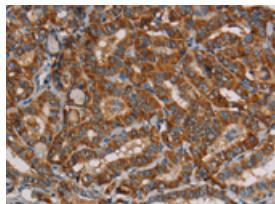
Applications

Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human thyroid cancer

Recommended dilution: 50-200

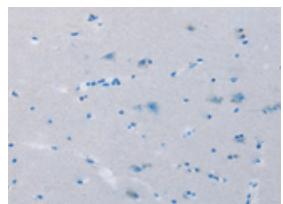
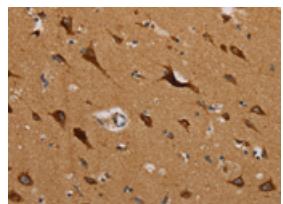


The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ml122701(MRPL39 Antibody) at dilution 1/45, on the right is treated with fusion protein. (Original magnification: $\times 200$)

Predicted cell location: Cytoplasm

Positive control: Human brain

Recommended dilution: 50-200



The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using ml122701(MRPL39 Antibody) at dilution 1/45, on the right is treated with fusion protein. (Original magnification: $\times 200$)

Western blotting

Predicted band size: 39 kDa

Positive control: 293T, K562, 231 and hela cells

Recommended dilution: 1000-5000

Gel: 8% SDS-PAGE

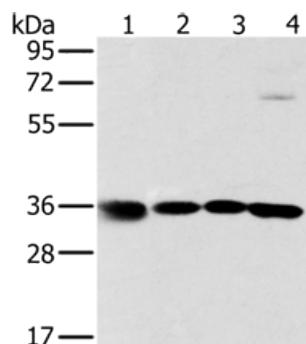
Lysate: 40 μ g

Lane 1-4: 293T cells, K562 cells, 231 cells, hela cells

Primary antibody: ml122701(MRPL39 Antibody) at dilution 1/600

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 2 seconds



ELISA

Recommended dilution: 2000-10000

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