MRPS18B Polyclonal Antibody

Catalog Number:E-AB-18806

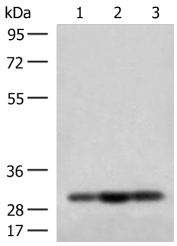
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity	Human
Immunogen	Fusion protein of human MRPS18B
Host	Rabbit
Isotype	IgG
Purification	Antigen affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.05% NaN3 and 40% Glycerol,pH7.4

Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:25-1:100
ELISA	1:5000-1:10000

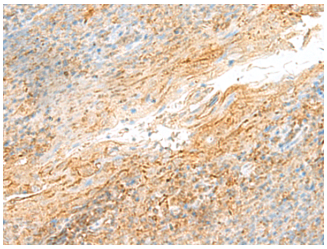
Data



Western blot analysis of HepG2 Jurkat and 231 cell lysates using MRPS18B Polyclonal Antibody at dilution of 1:200

Observed MW:Refer to figures

Calculated Mw:29 kDa



Immunohistochemistry of paraffin-embedded Human tonsil tissue using MRPS18B Polyclonal Antibody at dilution of 1:55(×200)

Preparation & Storage

Storage	Store at -20℃. 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 28S subunit protein that belongs to the ribosomal protein S18P family. The encoded protein is one of three that has significant sequence similarity to bacterial S18 proteins. The primary sequences of the three human mitochondrial S18 proteins are no more closely related to each other than they are to the prokaryotic S18 proteins. Pseudogenes corresponding to this gene are found on chromosomes 1q and 2q.

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