

MRP-L18 Polyclonal Antibody

Catalog # AP71034

Product Information

Application WB, IHC-P
Primary Accession Q9H0U6
Reactivity Human
Host Rabbit
Clonality Polyclonal
Calculated MW 20577

Additional Information

Gene ID 29074

Other Names MRPL18; HSPC071; 39S ribosomal protein L18; mitochondrial; L18mt;

MRP-L18

Dilution WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300.

ELISA: 1/20000. Not yet tested in other applications. IHC-P~~N/A

Format Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium

azide.

Storage Conditions -20°C

Protein Information

Name MRPL18

Function Together with thiosulfate sulfurtransferase (TST), acts as a mitochondrial

import factor for the cytosolic 5S rRNA. The precursor form shows RNA chaperone activity; is able to fold the 5S rRNA into an import-competent conformation that is recognized by rhodanese (TST). Both the cytoplasmic and mitochondrial forms are able to bind to the helix IV-loop D in the gamma

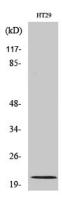
domain of the 5S rRNA.

Cellular Location Mitochondrion

Background

Together with thiosulfate sulfurtransferase (TST), acts as a mitochondrial import factor for the cytosolic 5S rRNA. The precursor form shows RNA chaperone activity; is able to fold the 5S rRNA into an import-competent conformation that is recognized by rhodanese (TST). Both the cytoplasmic and mitochondrial forms are able to bind to the helix IV-loop D in the gamma domain of the 5S rRNA.

Images



Western Blot analysis of various cells using MRP-L18 Polyclonal Antibody diluted at 1 : 1000

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.