

Datasheet

MRPS31 purified MaxPab mouse polyclonal antibody (B01P)

Catalog Number: H00010240-B01P

Regulation Status: For research use only (RUO)

Product Description: Mouse polyclonal antibody raised against a full-length human MRPS31 protein.

Immunogen: MRPS31 (AAH22045.1, 1 a.a. ~ 395 a.a) full-length human protein.

Sequence:

MFPRVSTFLPLRPLSRHPLSSGSPETSAAAIMLLTVRH
GTVRYRSSALLARTKNNIQRIFYGTNSVICSKDKQSVR
TEEISKETSESQDSEKENTKKDLLGIIKGMKVELSTVNV
RTTKPPKRRPLKSLEAALGRLRRATEYAPKKRIEPLSP
ELVAAASAVADSLPFDKQTTKSELLSQLQQHEEESRA
QRDAKRPKISFSNIISDMKVARSAVARSRPELRIQFD
EGYDNYPGQEKTDLLKKRNIFTGKRLNIFDMMAVTK
EAPETDTSPSLWDVEFAKQLATVNEQPLQNGFEELIQ
WTKEGKLWEFPINNEAGFDDGSEFHEHIFLEKHLES
FPKQGPRIHFMELVTCGLSKNPYLSVKQKVEHIEWFR
NYFNEKKDILKESNIQFN

Host: Mouse

Reactivity: Human

Applications: WB-Tr

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 10240

Gene Symbol: MRPS31

Gene Alias: IMOGN38, MRP-S31, S31mt

Gene Summary: 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. The 28S subunit of the mammalian mitoribosome may play a crucial and characteristic role in translation initiation. This gene encodes a 28S subunit protein that has also been associated with type 1 diabetes; however, its relationship to the etiology of this disease remains to be clarified. Pseudogenes corresponding to this gene have been found on chromosomes 3 and 13. [provided by RefSeq]