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Datasheet

MRPL21 purified MaxPab mouse polyclonal antibody (B01P)

Catalog Number: H00219927-B01P

Regulation Status: For research use only (RUO)

Product Description: Mouse polyclonal antibody raised against a full-length human MRPL21 protein.

Immunogen: MRPL21 (AAH55088, 1 a.a. ~ 209 a.a) full-length human protein.

Sequence:
MAAAMAASSLTVTLGRLASACSHSILRPSGPGAASLW
SASRRFNSQSTSYLPGYVPKTSLSSPPWPEVVLPDPV
EETRHHAEVVKKVNEMIVTGQYGRLFAVVHFASRQW
KVTSEDLILIGNELDLACGERIRLEKVLLVGADNFTLLG
KPLLGKDLVRVEATVIEKTESWPRIIMRFRKRKNFKKK
RIVTTPQTVLRINSIEIAPCLL

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: 219927

Gene Symbol: MRPL21

Gene Alias: L21mt, MGC62013, MRP-L21

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. This gene encodes a 39S subunit protein. Multiple transcript variants encoding different isoforms were identified through sequence analysis although some may be subject to nonsense-mediated decay (NMD). [provided by RefSeq]