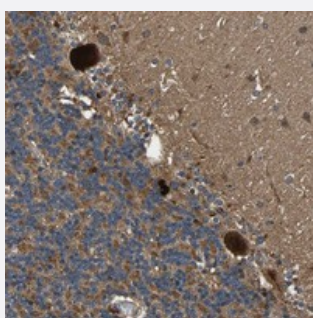


MRPL27 polyclonal antibody

Catalog # PAB21404 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human cerebellum with MRPL27 polyclonal antibody (Cat # PAB21404) shows strong cytoplasmic positivity in Purkinje cells at 1:50-1:200 dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant MRPL27.
Immunogen	Recombinant protein corresponding to amino acids of human MRPL27.
Sequence	HPGAHVGVGKNKCLYALEEGMRYTKEVYVPHPRNTEAVDLITRLPKGAVLYKTFVHVVPKPEGT FKLVAML
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)

Storage Instruction

Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human cerebellum with MRPL27 polyclonal antibody (Cat # PAB21404) shows strong cytoplasmic positivity in Purkinje cells at 1:50-1:200 dilution.

Gene Info — MRPL27

Entrez GeneID[51264](#)**Protein Accession#**[Q9P0M9](#)**Gene Name**

MRPL27

Gene Alias

L27mt, MGC23716

Gene Description

mitochondrial ribosomal protein L27

Gene Ontology[Hyperlink](#)**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 28 S 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. [provided by RefSeq]

Other Designations

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