

Datasheet for ABIN953514
anti-MRPL9 antibody (N-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	0.4 mL
Target:	MRPL9
Binding Specificity:	AA 65-95, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MRPL9 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Synthetic peptide - KLH conjugated - corresponding to the N-terminal (between 65-95aa) region of human MRPL9.
Isotype:	Ig Fraction
Specificity:	This antibody recognizes human MRPL9 at N-term.
Purification:	Purified through a Protein A column followed by peptide affinity purification

Target Details

Target:	MRPL9
Alternative Name:	MRPL9 (MRPL9 Products)

Target Details

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. The MRPL9 gene encodes a 39S subunit protein. A pseudogene corresponding to this gene is found at 8q21.11. Synonyms: 39S ribosomal protein L9, L9mt, MRP-L9, mitochondrial

Molecular Weight: 30243 Da

Gene ID: 65005

NCBI Accession: [NP_113608](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS with 0.09 % (W/V) Sodium azide

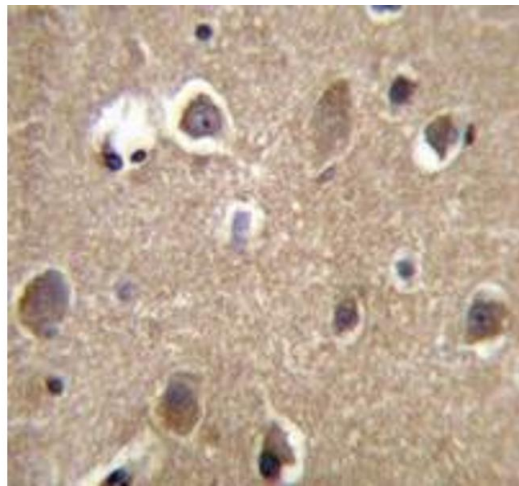
Preservative: Sodium azide

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

Handling Advice: Avoid repeated freezing and thawing.

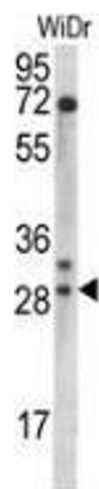
Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry analysis in human brain tissue (Formalin-fixed, Paraffin-embedded) using MRPL9 Antibody (N-term), followed by peroxidase conjugated secondary antibody and DAB staining. This data demonstrates the use of this antibody for IHC. Clinical relevance has not been evaluated.



Western Blotting

Image 2. Western blot analysis in WiDr cell line lysates (35ug/lane) using MRPL9 Antibody (N-term). This demonstrates this antibody detected the MRPL9 protein (arrow).