

Datasheet for ABIN953521

**anti-MRPS34 antibody (N-Term)**[Go to Product page](#)**1** Image

## Overview

Quantity:	0.4 mL
Target:	MRPS34
Binding Specificity:	AA 4-32, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MRPS34 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	KLH conjugated synthetic peptide between 4-32 amino acids from the N-terminal region of Human RT34 Genename: MRPS34
Isotype:	Ig Fraction
Specificity:	Recognizes RT34 (N-term)
Purification:	Protein A column followed by peptide Affinity purification

## Target Details

Target:	MRPS34
Alternative Name:	MRPS34 ( <a href="#">MRPS34 Products</a> )
Background:	Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein

## Target Details

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 28S subunit protein. Alternate splice variants of this gene have been described but their full-length nature has not been determined. Synonyms: 28S ribosomal protein S34, MRP-S34, S34mt, mitochondrial

Gene ID: 65993

NCBI Accession: [NP\\_076425](#)

## 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 as preservative

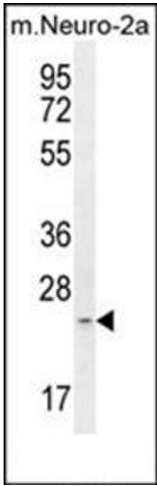
Preservative: Sodium azide

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 the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

**Image 1.** Western blot analysis in mouse Neuro-2a cell line lysates (35 µg/lane) using RT34 Antibody (N-term) Cat.-No AP53760PU-N. This demonstrates the RT34 antibody detected the RT34 protein (arrow).