

Datasheet for ABIN953517

**anti-MRPS15 antibody (Middle Region)**[Go to Product page](#)**1** Image

## Overview

Quantity:	0.4 mL
Target:	MRPS15
Binding Specificity:	AA 123-153, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MRPS15 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	Synthetic peptide - KLH conjugated - corresponding to the central region (between 123-153aa) of human MRPS15.
Isotype:	Ig Fraction
Specificity:	This antibody recognizes human MRPS15.
Purification:	Purified through a Protein A column followed by peptide affinity purification

## Target Details

Target:	MRPS15
Alternative Name:	MRPS15 ( <a href="#">MRPS15 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. The MRPS15 gene encodes a 28S subunit protein that belongs to the ribosomal protein S15P family. The encoded protein is more than two times the size of its E. coli counterpart, with the 12S rRNA binding sites conserved. Between human and mouse, the encoded protein is the least conserved among small subunit ribosomal proteins. Pseudogenes corresponding to this gene are found on chromosomes 15q and 19q. Synonyms: 28S ribosomal protein S15, DC37, RPMS15, S15mt, mitochondrial

Molecular Weight: 29842 Da

Gene ID: 64960

NCBI Accession: [NP\\_112570](#)

## 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

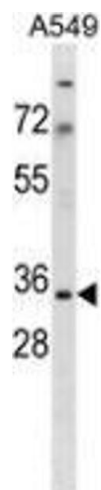
Preservative: Sodium azide

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.



Western Blotting

**Image 1.** Western blot analysis in A549 cell line lysates (35ug/lane) using MRPS15 Antibody . This demonstrates this antibody detected the MRPS15 protein (arrow).