

Datasheet for ABIN6567582  
**anti-MRPS22 antibody**



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1 Image

## Overview

Quantity:	200 µL
Target:	MRPS22
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MRPS22 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	Recombinant protein of human MRPS22
Isotype:	IgG
Purification:	Affinity purification

## Target Details

Target:	MRPS22
Alternative Name:	MRPS22 ( <a href="#">MRPS22 Products</a> )
Background:	<p>Synonyms: 28S ribosomal protein</p> <p>S22,C3orf5,COXPD5,GIBT,GK002,mitochondrial,Mitochondrial ribosomal protein S22,MRP-S22,MRPS22,RPM S22,RPMS22,RT22,S22mt</p> <p>Background: Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes)</p>

## Target Details

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 that does not seem to have a counterpart in prokaryotic and fungal-mitochondrial ribosomes. This gene lies telomeric of and is transcribed in the opposite direction from the forkhead box L2 gene. A pseudogene corresponding to this gene is found on chromosome Xq.

Molecular Weight: Observed\_MW: 41kDa  
Calculated\_MW: 18kDa/41kDa

Gene ID: 56945

UniProt: [P82650](#)

## Application Details

Application Notes: WB 1:500 - 1:2000

Restrictions: For Research Use only

## Handling

Concentration: 1 mg/mL

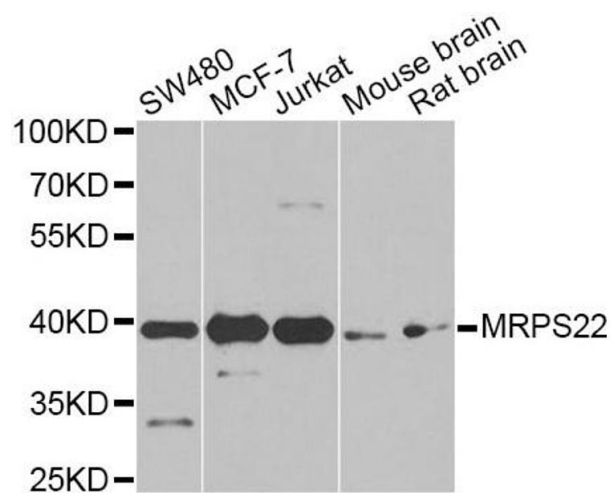
Buffer: Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

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

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using MRPS22 Antibody.