

Datasheet for ABIN2790819  
**anti-MRPS7 antibody (C-Term)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µL
Target:	MRPS7
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Guinea Pig, Horse, Pig, Rabbit, Cow, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MRPS7 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C-terminal region of Human MRPS7
Sequence:	QFEKYHAASA EEQATIERNP YTIFHQALKN CEPMIGLVPI LKGGRFYQVP
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 77%, Horse: 100%, Human: 100%, Mouse: 93%, Pig: 93%, Rabbit: 93%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against MRPS7. It was validated on Western Blot.
Purification:	Affinity Purified

## Target Details

Target:	MRPS7
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## Target Details

Alternative Name:	MRPS7 ( <a href="#">MRPS7 Products</a> )
Background:	<p>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. This gene encodes a 28S subunit protein. In the prokaryotic ribosome, the comparable protein is thought to play an essential role in organizing the 3' domain of the 16 S rRNA in the vicinity of the P- and A-sites. Pseudogenes corresponding to this gene are found on chromosomes 8p and 12p.</p> <p>Alias Symbols: MRP-S, MRP-S7, RP-S7, RPMS7, S7mt, bMRP27a</p> <p>Protein Interaction Partner: CEP76, TUBGCP4, TUBGCP3, CEP57, TUBG1, GRSF1, UBC, SMURF2, RNF2, PARK2, C1QBP, MRPL54, MRPL1, MRPS9, MRPS25, RNMTL1, MRPL28, TUFM, PSMA5, HNRNPAB, EEF1A1, ACTA2, CAND1, CUL3, Cdca8, Ybx1, ICT1, ASF1B,</p> <p>Protein Size: 242</p>
Molecular Weight:	27 kDa
Gene ID:	51081
NCBI Accession:	<a href="#">NM_015971</a> , <a href="#">NP_057055</a>
UniProt:	<a href="#">Q9Y2R9</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 242 AA
Restrictions:	For Research Use only

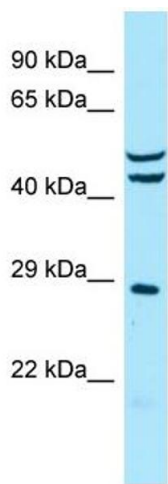
## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

## Handling

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 freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Images



### Western Blotting

**Image 1.** Host: Rabbit Target Name: MRPS7 Sample Type: MCF7 Whole Cell lysates Antibody Dilution: 1.0ug/ml MRPS7 is supported by BioGPS gene expression data to be expressed in MCF7