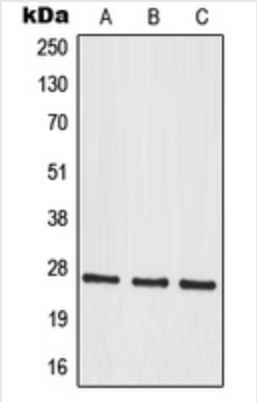
MRPS34 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MRPS34, Polyclonal Antibody
Full Product Name	Anti-MRPS34 Antibody
Product Gene Name	anti-MRPS34 antibody
Product Synonym Names	28S ribosomal protein S34 mitochondrial; MRP-S34; S34mt
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	25,650 Da
Chromosome Location	Chromosome: 16; NC_000016.9 (1821896..1823140, complement). Location: 16p13.3
OMIM	611994
3D Structure	ModBase 3D Structure for P82930
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human MRPS34. The exact sequence is proprietary.
Product Categories/Family for anti-MRPS34 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MRPS34 antibody	Western Blot (WB), Immunoprecipitation (IP)
Application Notes for anti-MRPS34 antibody	WB: 1:500-1:1000 IP: 1:10-1:100
Related Product Information for anti-MRPS34 antibody	MBS8605240 is an antibody targeting MRPS34. Reactive in Human. Host: Rabbit. Rabbit polyclonal antibody to MRPS34
Other Notes	Small volumes of anti-MRPS34 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-MRPS34 antibody
Western blot analysis of MRPS34 expression in A549 (A), HuvEc (B), U251MG (C) whole cell lysates.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MRPS34. It may not necessarily be applicable to this product.

NCBI GI #	13027604
NCBI GeneID	65993
NCBI Accession #	NP_076425.1
UniProt Primary Accession #	P82930
UniProt Secondary Accession #	Q9BVI7
UniProt Related Accession #	P82930
GenBank Nucleotide #	NM_023936.1
NCBI Official Full Name	28S ribosomal protein S34, mitochondrial
NCBI Official Synonym Full Names	mitochondrial ribosomal protein S34
NCBI Official Symbol	MRPS34
NCBI Official Synonym Symbols	MRPS12; MRP-S12; MRP-S34
UniProt Protein Name	28S ribosomal protein S34, mitochondrial
Protein Family	28S ribosomal protein
UniProt Gene Name	MRPS34
UniProt Synonym Gene Names	MRP-S34; S34mt
UniProt Entry Name	RT34_HUMAN
NCBI Protein Information	28S ribosomal protein S34, mitochondrial; S34mt
NCBI Summary for MRPS34	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. Alternate splice variants of this gene have been described but their full-length nature has not been determined. [provided by RefSeq, Jul 2008]

UniProt Comments for MRPS34	MRPS34: Component of the mitochondrial ribosome small subunit (28S) which comprises a 12S rRNA and about 30 distinct proteins. Chromosomal Location of Human Ortholog: 16p13.3 Cellular Component: mitochondrion; mitochondrial inner membrane; ribosome Biological Process: mitochondrial translation; organelle organization and biogenesis
Research Articles on MRPS34	**1.** Observational study of gene-disease association. (HuGE Navigator)
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