MRPS34 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MRPS34, Polyclonal Antibody
Full Product Name	MRPS34 Conjugated Antibody
Product Gene Name	anti-MRPS34 antibody
Product Synonym Names	mitochondrial 28S ribosomal protein S34; mitochondrial ribosomal protein S34; MRP-S12; MRP-S34; RT34
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous levels of total MRPS34 protein.
Preparation and Storage	Store at 4 degree C for 6 months.
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	Synthesized peptide derived from C-terminal of human MRPS34.
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-MRPS34 antibody	Most Applications
Application Notes for anti-MRPS34 antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-MRPS34 antibody	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. Alternative splicing results in multiple transcript variants.
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.

Searchable Terms for MRPS34 purchase	MBS9445543 is an antibody targeting MRPS34. Also known as MRPS34 Conjugated Antibody. Reactive in Human, Mouse. Host: Rabbit.

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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