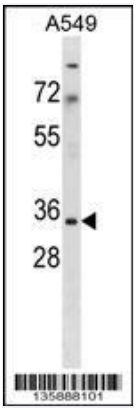
MRPS15 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MRPS15, Polyclonal Antibody
Full Product Name	MRPS15, ID (MRPS15, RPMS15, 28S ribosomal protein S15, mitochondrial) (Azide free) (HRP)
Product Gene Name	anti-MRPS15 antibody
Product Synonym Names	MRPS15; RPMS15; 28S ribosomal protein S15, mitochondrial
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	29,842 Da
OMIM	611979
3D Structure	ModBase 3D Structure for P82914
Immunogen	MRPS15 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 123-153 amino acids from the Central region of human MRPS15.
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-MRPS15 antibody	Antibodies; Mitochondrial Proteins
Applications Tested/Suitable for anti-MRPS15 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-MRPS15 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-MRPS15 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 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.

Product References and Citations for anti-MRPS15 antibody	Zhang, Z., et al. Genomics 81(5):468-480(2003). Kenmochi, N., et al. Genomics 77 (1-2), 65-70 (2001): Suzuki, T., et al. J. Biol. Chem. 276(35):33181-33195(2001). Cavdar Koc, E., et al. J. Biol. Chem. 276(22):19363-19374(2001).
Other Notes	Small volumes of anti-MRPS15 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 MRPS15 purchase	MBS6322300 is an antibody targeting MRPS15. Also known as MRPS15, ID (MRPS15, RPMS15, 28S ribosomal protein S15, mitochondrial) (Azide free) (HRP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-MRPS15 antibody
MRPS15 Antibody (Center) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the MRPS15 antibody detected the MRPS15 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MRPS15. It may not necessarily be applicable to this product.

NCBI GI #	16554611
NCBI GeneID	64960
NCBI Accession #	NP_112570.2
UniProt Primary Accession #	P82914
UniProt Secondary Accession #	Q9H2K1; B2RD82
UniProt Related Accession #	P82914
GenBank Nucleotide #	NM_031280.3
NCBI Official Full Name	28S ribosomal protein S15, mitochondrial
NCBI Official Synonym Full Names	mitochondrial ribosomal protein S15
NCBI Official Symbol	MRPS15
NCBI Official Synonym Symbols	DC37; S15mt; RPMS15; MPR-S15
UniProt Protein Name	28S ribosomal protein S15, mitochondrial
Protein Family	28S ribosomal protein
UniProt Gene Name	MRPS15
UniProt Synonym Gene Names	RPMS15; DC37; MRP-S15; S15mt
UniProt Entry Name	RT15_HUMAN
NCBI Protein Information	28S ribosomal protein S15, mitochondrial; MRP-S15

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