

Rabbit anti-Human MRPS24 Polyclonal Antibody | anti-MRPS24 antibody

MRPS24 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288046	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

MRPS24; Polyclonal Antibody; MRPS24 Antibody (Center); 28S ribosomal protein S24; mitochondrial; MRP-S24; S24mt; bMRP-47; bMRP47; anti-MRPS24 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MRPS24 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 21-50 amino acids from the Central region of human MRPS24.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	21-50
Sequence Length	167
Applicable Applications for anti-MRPS24 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

MRPS24 Antibody (Center) flow cytometric analysis of A2058 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

MRPS24 antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the MRPS24 antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
MRPS24 Antibody (Center) western blot analysis in A2058 cell line lysates (35ug/lane). This demonstrates the MRPS24 antibody detected the MRPS24 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-MRPS24 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. MRPS24 encodes a 28S subunit protein. A pseudogene corresponding to this gene is found on chromosome 11. [provided by RefSeq].
References	Lamesch, P., et al. Genomics 89(3):307-315(2007) Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) : 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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	15721937
NCBI GeneID	64951
NCBI Accession #	NP_114403.1
NCBI GenBank Nucleotide #	NM_032014.2
UniProt Accession #	Q96EL2; P82668; Q96Q23; Q9P047; A4D1U9
Molecular Weight	19015
NCBI Official Full Name	28S ribosomal protein S24, mitochondrial
NCBI Official Synonym Full Names	mitochondrial ribosomal protein S24
NCBI Official Symbol	MRPS24
NCBI Official Synonym Symbols	S24mt; bMRP47; HSPC335; MRP-S24; bMRP-47
NCBI Protein Information	28S ribosomal protein S24, mitochondrial
UniProt Protein Name	28S ribosomal protein S24, mitochondrial
UniProt Gene Name	MRPS24
UniProt Synonym Gene Names	MRP-S24; S24mt; bMRP47
UniProt Entry Name	RT24_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

