

Rabbit anti-Human MRPL28 Polyclonal Antibody | anti-MRPL28 antibody

MRPL28 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285294	Rabbit	Human	Western Blot, ELISA, Immunofluorescence

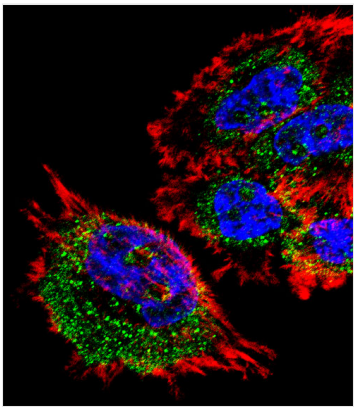
PRODUCT SYNONYMS

MRPL28; Polyclonal Antibody; MRPL28 Antibody (N-term); 39S ribosomal protein L28; mitochondrial; L28mt; MRP-L28; Melanoma antigen p15; Melanoma-associated antigen recognized by T-lymphocytes; MAAT1; anti-MRPL28 antibody

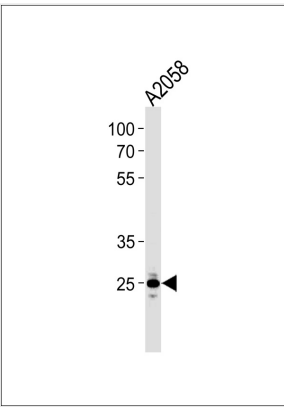
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MRPL28 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 28-55 amino acids from the N-terminal region of human MRPL28.
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	28-55
Sequence Length	256
Applicable Applications for anti-MRPL28 antibody	WB (Western Blot), ELISA, IF (Immunofluorescence)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
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



IF (Immunofluorescence)
Fluorescent confocal image of A431 cell stained with MRPL28 Antibody (N-term). A431 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with MRPL28 primary antibody (1:25, 1 h at 37 degree). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 degree). Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37 degree). Nuclei were counterstained with DAPI (blue) (10 ug/ml, 10 min). MRPL28 immunoreactivity is localized to Mitochondria significantly.



WB (Western Blot)
MRPL28 Antibody (N-term) western blot analysis in A2058 cell line lysates (35ug/lane). This demonstrates the MRPL28 antibody detected the MRPL28 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-MRPL28 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 39S subunit protein, a part of which was originally isolated by its ability to recognize tyrosinase in an HLA-A24-restricted fashion.
Product Categories/Family for anti-MRPL28 antibody	Crown Antibodies
References	Lamesch, P., et al. Genomics 89(3):307-315(2007) Martin, J., et al. Nature 432(7020):988-994(2004) Zhang, Z., et al. Genomics 81(5):468-480(2003) Koc, E.C., et al. J. Biol. Chem. 276(47):43958-43969(2001) Kenmochi, N., et al. Genomics 77 (1-2), 65-70 (2001) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	26051229
NCBI GeneID	10573
NCBI Accession #	NP_006419.2
NCBI GenBank Nucleotide #	NM_006428.4
UniProt Accession #	Q13084; Q4TT39; Q96S26; Q9BQD8; Q9BR04; B2RCM4; D3DU46
Molecular Weight	30157
NCBI Official Full Name	39S ribosomal protein L28, mitochondrial

NCBI Official Synonym Full Names	mitochondrial ribosomal protein L28
NCBI Official Symbol	MRPL28
NCBI Official Synonym Symbols	p15; MAAT1
NCBI Protein Information	39S ribosomal protein L28, mitochondrial
UniProt Protein Name	39S ribosomal protein L28, mitochondrial
UniProt Gene Name	MRPL28
UniProt Synonym Gene Names	MAAT1; L28mt; MRP-L28
UniProt Entry Name	RM28_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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/mrpl28-antibody-western-blot-immunofluorescence-elisa/285294>