

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

MRPL28 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327799	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

MRPL28; Polyclonal Antibody; MRPL28 Antibody; 39S ribosomal protein L28; 39S ribosomal protein L28 mitochondrial; 39S ribosomal protein L28 mitochondrial precursor; HGNC6756; L28mt; MAAT 1; MAAT1; Melanoma antigen p15; Melanoma associated antigen recognised by cytotoxic T lymphocytes; Melanoma associated antigen recognized by T lymphocytes; Melanoma-associated antigen recognized by T-lymphocytes; MGC8499; mitochondrial; Mitochondrial ribosomal protein L28; MRP L28; MRP-L28; MRPL 28; mrpl28; P15; RM28_HUMAN; anti-MRPL28 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	MRPL28 antibody detects endogenous levels of total MRPL28
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	256
Applicable Applications for anti-MRPL28 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MRPL28
Subcellular Location	Mitochondrion.
Tissue Specificity	Found in a variety of normal tissues including spleen, testes, thymus, liver, kidney, brain, adrenal, lung and retinal tissue.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Horse (92%), Sheep (100%), Dog (100%), Chicken (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohiostchemistry)
AAA327799 at 1/100 staining Human brain cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of MRPL28 using COS7 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-MRPL28 antibody	Function: Potentially represents an important therapeutic reagent for HLA-A24 patients. This antigen is recognized by tumor-infiltrating lymphocyte (TIL) 1290 in the context of HLA-A24. Subunit Structure: Component of the mitochondrial large ribosomal subunit (mt-LSU). Mature mammalian 55S mitochondrial ribosomes consist of a small (28S) and a large (39S) subunit. The 28S small subunit contains a 12S ribosomal RNA (12S mt-rRNA) and 30 different proteins. The 39S large subunit contains a 16S rRNA (16S mt-rRNA), a copy of mitochondrial valine transfer RNA (mt-tRNA(Val)), which plays an integral structural role, and 52 different proteins (PubMed:11551941, PubMed:25278503). Interacts with OXA1L. Similarity: Belongs to the bacterial ribosomal protein bL28 family.
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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	Observed: 30 kDa Predicted: 31 kDa
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

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.