

ARG66595 anti-MRPL39 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MRPL39
Tested Reactivity	Hu, Ms
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MRPL39
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 270-350 of Human MRPL39.
Conjugation	Un-conjugated
Alternate Names	RPML5; PRED66; L5mt; PRED22; MSTP003; C21orf92; MRPL5; 39S ribosomal protein L5, mitochondrial; MRP-L5; 39S ribosomal protein L39, mitochondrial; L39mt; MRP-L39

Application Instructions

Application table	Application	Dilution
	IHC-P	1:100 - 1:300
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	38 kDa	

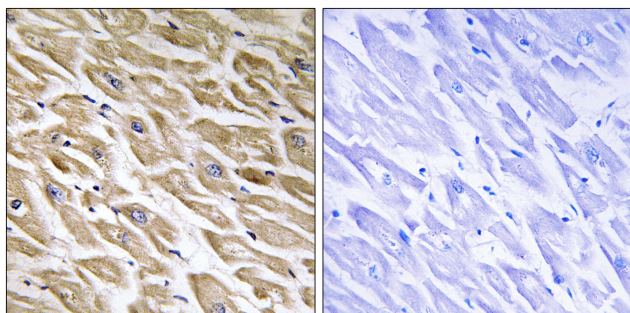
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.5% BSA
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

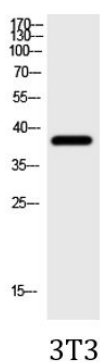
Gene Symbol	MRPL39
Gene Full Name	mitochondrial ribosomal protein L39
Background	Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. 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. Two transcript variants encoding distinct isoforms have been described. A pseudogene corresponding to this gene is found on chromosome 5q. [provided by RefSeq, Jul 2008]
Calculated Mw	39 kDa
Cellular Localization	Mitochondrion. [UniProt]

Images



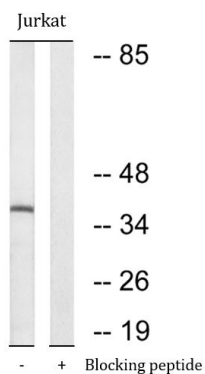
ARG66595 anti-MRPL39 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human heart stained with ARG66595 anti-MRPL39 antibody. The picture on the right is blocked with the synthetic peptide.



ARG66595 anti-MRPL39 antibody WB image

Western blot: 3T3 cell lysate stained with ARG66595 anti-MRPL39 antibody at 1:1000 dilution.



ARG66595 anti-MRPL39 antibody WB image

Western blot: Jurkat cell lysate stained with ARG66595 anti-MRPL39 antibody. The lane on the right is blocked with the synthetic peptide.