

MRPL18 Polyclonal Antibody

Catalog NumberPA5-31875

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000
Type	Antibody	Western Blot (WB)	1:500-1:3,000
Immunogen	Recombinant protein fragment corresponding to a region within amino acids 1 and 208 of Human MRPL18	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.8 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	0.1M tris glycine, pH 7, with 20% glycerol		
Contains	0.01% thimerosal		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: NT2D1, PC-3, U87-MG. Predicted reactivity: Mouse (86%), Rat (84%), Rhesus Monkey (97%), Bovine (88%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

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 that belongs to the L18P ribosomal protein family. Three polymorphic sites exist in this gene, one of which is three nt in length which causes an extra aa near the N-terminus.

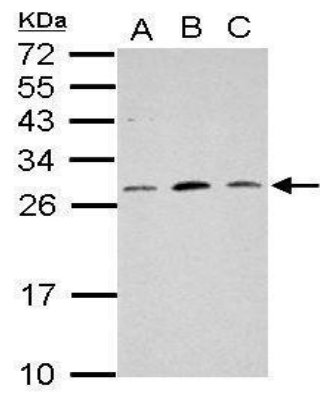
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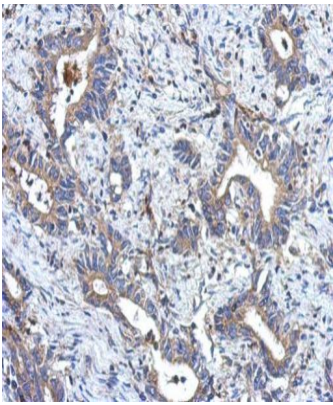
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Product Images For MRPL18 Polyclonal Antibody



**MRPL18 Antibody (PA5-31875) in WB**  
Western Blot using MRPL18 Polyclonal Antibody (Product # PA5-31875). Sample (30 µg of whole cell lysate). Lane A: NT2D1. Lane B: PC-3. Lane C: U87-MG. 12% SDS PAGE. MRPL18 Polyclonal Antibody (Product # PA5-31875) diluted at 1:1,000.



**MRPL18 Antibody (PA5-31875) in IHC (P)**  
Immunohistochemical analysis of paraffin-embedded human colon carcinoma, using MRPL18 (Product # PA5-31875) antibody at 1:500 dilution. Antigen Retrieval: EDTA based buffer, pH 8.0, 15 min.

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