

MRPS2 Polyclonal Antibody

Catalog NumberPA5-39239

Product data sheet

Details		Tested Applications	Dilution *
Size	100 µg	Immunohistochemistry (Paraffin) (IHC (P)) Western Blot (WB)	1:50-1:100
Host/Isotope	Rabbit / IgG		1:500-1:1,000
Class	Polyclonal	<div>* 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.</div>	
Type	Antibody		
Immunogen	A synthetic peptide derived from the C-terminal region of human MRPS2		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Storage Conditions	-20°C		

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 28S subunit protein that belongs to the ribosomal protein S2 family. Alternatively spliced transcript variants have been observed for this gene.

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