



# Anti-MRPL20 monoclonal antibody (DCABH-200992)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

**Antigen Description** 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 pseudogene corresponding to this gene is found on chromosome 21q.

<b>Immunogen</b>	A synthetic peptide of human MRPL20 is used for rabbit immunization.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Mouse, Rat, Human
<b>Purification</b>	Protein A
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Size</b>	100 µl
<b>Buffer</b>	Preservative: 0.01% Sodium azide Constituents: 40% Glycerol, 59% PBS, 0.05% BSA,
<b>Preservative</b>	None

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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## GENE INFORMATION

<b>Gene Name</b>	<a href="#">MRPL20 mitochondrial ribosomal protein L20 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	MRPL20
<b>Synonyms</b>	MRPL20; mitochondrial ribosomal protein L20; L20mt; MRP-L20; 39S ribosomal protein L20, mitochondrial;
<b>Entrez Gene ID</b>	<a href="#">55052</a>
<b>Protein Refseq</b>	<a href="#">NP_060441</a>
<b>UniProt ID</b>	<a href="#">Q9BYC9</a>
<b>Chromosome Location</b>	1p36.3-p36.2
<b>Pathway</b>	Ribosome.
<b>Function</b>	poly(A) RNA binding; protein binding; rRNA binding; structural constituent of ribosome;