



Anti-MRPS2 monoclonal antibody, clone 5E7 (DCABH-553)

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

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to MRPS2
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 28S subunit protein that belongs to the ribosomal protein S2 family.
Immunogen	Full length Human recombinant MRPS2 (NP_057118) produced in E.coli.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	5E7
Purification	Purified from mouse ascites fluids by affinity chromatography
Conjugate	Unconjugated
Applications	WB, IHC-P, Flow Cyt
Positive Control	Human lung carcinoma tissue. Lysate from transfected HEK293T cells. HeLa, Jurkat or transfected HEK293T cells.

Format	Liquid
Size	100 µl
Buffer	pH: 7.30; Preservative: 0.02% Sodium azide; Constituents: 1% BSA, 48% PBS, 50% Glycerol
Preservative	0.02% Sodium Azide
Storage	store at -20°C. Avoid freeze / thaw cycles.
Ship	Shipped at 4°C.

GENE INFORMATION

Gene Name	MRPS2 mitochondrial ribosomal protein S2 [Homo sapiens]
Official Symbol	MRPS2
Synonyms	MRPS2; mitochondrial ribosomal protein S2; 28S ribosomal protein S2, mitochondrial; CGI 91; mitochondrial 28S ribosomal protein S2; S2mt; CGI-91; MRP-S2;
Entrez Gene ID	51116
Protein Refseq	NP_057118
UniProt ID	Q9Y399
Chromosome Location	9q34
Function	structural constituent of ribosome;