G-Biosciences Image not found or type unknown

Immunotag™ MRP-S18C Polyclonal Antibody

Antibody Specification

Catalog No.	ITT2878
Product Description	Immunotag™ MRP-S18C Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	MRPS18C
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,IF,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	The antiserum was produced against synthesized peptide derived from human MRPS18C. AA range:71-120
Specificity	MRP-S18C Polyclonal Antibody detects endogenous levels of MRP-S18C protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	MRPS18C
Accession No.	Q9Y3D5 Q8R2L5
Alternate Names	MRPS18C; CGI-134; 28S ribosomal protein S18c; mitochondrial; MRP-S18-c; Mrps18-c; S18mt-c; 28S ribosomal protein S18-1, mitochondrial; MRP-S18-1

Antibody Specification

Description	mitochondrial ribosomal protein S18C(MRPS18C) Homo sapiens 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 S18P family. The encoded protein is one of three that has significant sequence similarity to bacterial S18 proteins. The primary sequences of the three human mitochondria
Protein Expression	Brain,
Subcellular Localization	mitochondrion,mitochondrial inner membrane,mitochondrial small ribosomal subunit,ribosome,cytosolic small ribosomal subunit,
Protein Function	similarity:Belongs to the ribosomal protein S18P family.,subunit:Component of the mitochondrial ribosome small subunit (28S) which comprises a 12S rRNA and about 30 distinct proteins.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.