

Immunotag™ RM43 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITN0358
Product Description	Immunotag™ RM43 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	RM43
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	Synthesized peptide derived from human protein . at AA range: 120-200
Specificity	RM43 Polyclonal Antibody detects endogenous levels of protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Gene Name	MRPL43
Accession No.	Q8N983 Q99N89

Antibody Specification

Description	mitochondrial ribosomal protein L43(MRPL43) 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 39S subunit protein. This gene and the gene for a semaphorin class 4 protein (SEMA4G) overlap at map location 10q24.31 and are transcribed in opposite directions. Sequence analysis identified multiple transcript variants encodin
Protein Expression	Brain,Ovary,Pancreas,Skin,Testis,Uterus,
Subcellular Localization	mitochondrial inner membrane,mitochondrial ribosome,mitochondrial large ribosomal subunit,ribosome,
Protein Function	similarity:Belongs to the ribosomal protein S25/L51 family.,tissue specificity:High relative levels in skeletal muscle and testis. Lower levels of expression in the heart, brain, placenta, lung, liver, kidney, pancreas, spleen, thymus, prostate, ovary, small intestine, colon and leukocytes. Expression is coregulated with PEO1.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.