



RM43 Polyclonal Antibody

Catalog No	YP-Ab-05232
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	MRPL43
Immunogen	Synthesized peptide derived from human protein . at AA range: 120-200
Specificity	RM43 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	bMRP36a;L43mt;Large ribosomal subunit protein mL43;MRP L43;MRP-L43;RM43;MRPL43;39S ribosomal protein L43;mitochondrial (L43mt) (MRP-L43) (Mitochondrial ribosomal protein bMRP36a)
Observed Band	23kD
Calculated Molecular Weight	23kD
Cell Pathway	Mitochondrion .
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 TWNK.
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.,



Background

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 encoding

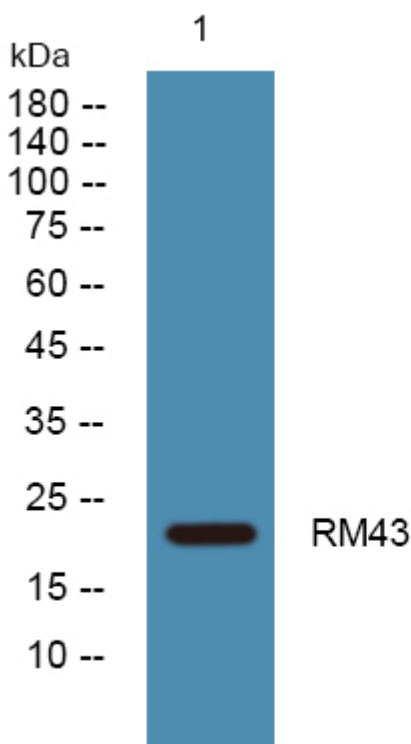
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from PC12 cells, primary antibody was diluted at 1:1000, 4° over night