



RM45 Polyclonal Antibody

Catalog No	YP-Ab-05233
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	MRPL45
Immunogen	Synthesized peptide derived from human protein . at AA range: 50-130
Specificity	RM45 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	MRP-L45;Large ribosomal subunit protein mL45;L45mt;39S ribosomal protein L45;mitochondrial;RM45;MRPL45;mitochondrial (L45mt) (MRP-L45)
Observed Band	33kD
Calculated Molecular Weight	33kD
Cell Pathway	Mitochondrion .
Tissue Specificity	Adipose tissue,Brain,Ovary,
Function	similarity:Belongs to the ribosomal protein L45 family.,
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. Alternative splicing results in multiple transcript variants. Pseudogenes



corresponding to this gene are found on chromosomes 2p and 17q. [provided by RefSeq, May 2013],

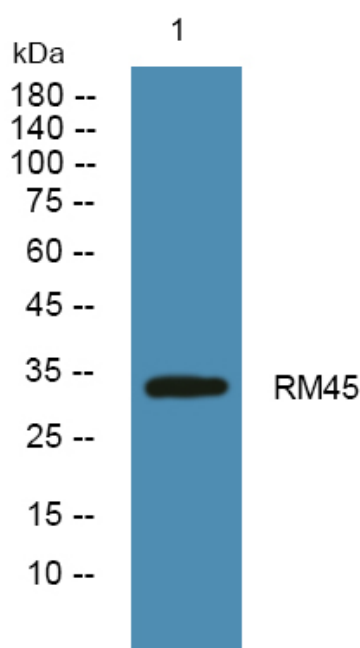
matters needing attention

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 DU145 cells, primary antibody was diluted at 1:1000, 4° over night