



RPUSD4 rabbit pAb

货号	BYab-18064
同位型	IgG
应用	WB
种属	Human;Mouse;Rat
靶点	RPUSD4
基因名称	RPUSD4
蛋白名称	RNA pseudouridylate synthase domain-containing protein 4
免疫原	Synthesized peptide derived from human RPUSD4
特异性	This antibody detects endogenous levels of RPUSD4 at Human, Mouse,Rat
组成	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
来源	Polyclonal, Rabbit,IgG
稀释	WB 1:500-2000
纯化工艺	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
分子量	41kD
功能	Catalyzes uridine to pseudouridine isomerization (pseudouridylation) of different mitochondrial RNA substrates . Acts on position 1397 in 16S mitochondrial ribosomal RNA (16S mt-rRNA) . This modification is required for the assembly of 16S mt-rRNA into a functional mitochondrial ribosome . As a component of a functional protein-RNA module, consisting of RCC1L, NGRN, RPUSD3, RPUSD4, TRUB2, FASTKD2 and 16S mt-rRNA, controls 16S mt-rRNA abundance and is required for intra-mitochondrial translation . Acts on position 39 in mitochondrial tRNA(Phe) . Also catalyzes pseudouridylation of mRNAs in nucleus: acts as a regulator of pre-mRNA splicing by mediating pseudouridylation of pre-mRNAs at locations associated with alternatively spliced regions . Pseudouridylation of pre-mRNAs near splice sites directly regulates mRNA splicing and mRNA 3'-end processing .
细胞定位	Mitochondrion matrix . Nucleus . Cytoplasm . Mainly localizes to mitochondrion (PubMed:23435261, PubMed:27974379, PubMed:28082677). Localizes to mitochondrial RNA granules, platforms for post-transcriptional RNA modification and ribosome assembly (PubMed:27974379, PubMed:28082677). Also found in nucleus and cytoplasm (PubMed:23435261). .
浓度	1 mg/ml
储存	-15°C to -25°C/1 year(Do not lower than -25°C)

Nanjing BYabscience technology Co.,Ltd



有关注意事项

Avoid repeated freezing and thawing!

使用建议

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

Products Images

Nanjing BYabscience technology Co.,Ltd

网址: www.njbybio.com

官方热线: 025-5229-8998

监督电话: 15950492658