



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)

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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