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Datasheet for ABIN7159949  
**anti-RPUSD4 antibody (AA 41-240) (FITC)**

### Overview

Quantity:	100 µg
Target:	RPUSD4
Binding Specificity:	AA 41-240
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RPUSD4 antibody is conjugated to FITC
Application:	Please inquire

### Product Details

Immunogen:	Recombinant Human Mitochondrial RNA pseudouridine synthase RPUSD4 protein (41-240AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

### Target Details

Target:	RPUSD4
Alternative Name:	RPUSD4 ( <a href="#">RPUSD4 Products</a> )
Background:	Background: Catalyzes uridine to pseudouridine isomerization (pseudouridylation) of different mitochondrial RNA substrates. Acts on position 1397 in 16S mitochondrial ribosomal RNA (16S

## Target Details

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mt-rRNA). This modification is required for the assembly of 16S mt-rRNA into a functional mitochondrial ribosome (PubMed:27974379). Acts on position 39 in mitochondrial tRNA(Phe) (PubMed:28082677). 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 (PubMed:27667664).

Aliases: RNA pseudouridylate synthase domain-containing protein 4 antibody, rpsud4 antibody, RUSD4\_HUMAN antibody

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UniProt: [Q96CM3](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.