

DATASHEET

PUS1 Rabbit Polyclonal Antibody

CAT. NO. APA16636

KEY FEATURES

Target	PUS1	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at-20°C

BACKGROUND

Pseudouridylate synthase that catalyzes pseudouridylation of tRNAs and mRNAs . Acts on positions 27/28 in the anticodon stem and also positions 34 and 36 in the anticodon of an intron containing tRNA . Also catalyzes pseudouridylation of mRNAs: mediates pseudouridylation of mRNAs with the consensus sequence 5'-UGUAG-3' . 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 . Involved in regulation of nuclear receptor activity through pseudouridylation of SRA1 mRNA .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

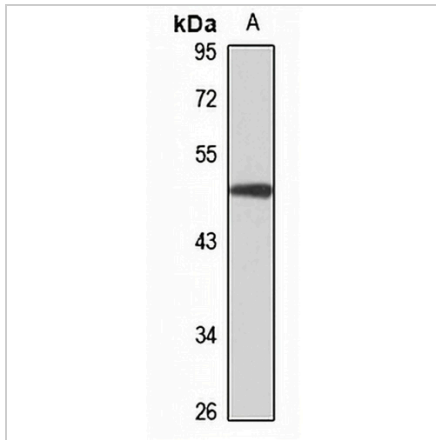
Description	Rabbit polyclonal antibody to PUS1
Specificity	Recognizes endogenous levels of PUS1 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human PUS1. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 44; Observed: 47 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	tRNA pseudouridine synthase A mitochondrial; tRNA pseudouridine(38-40) synthase; tRNA pseudouridylate synthase I; tRNA-uridine isomerase I
Gene Symbol	PUS1
Entrez Gene	80324(Human); 56361(Mouse); 304567(Rat)
SwissProt	Q9Y606(Human); Q9WU56(Mouse); Q4KM92(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of PUS1 expression in U87MG (A) whole cell lysates. (Predicted band size: 44; 47 kD; Observed band size: 47 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.