

## ARG59981 anti-PUS1 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes PUS1
Tested Reactivity	Hu
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PUS1
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 308-427 of Human PUS1 (NP_079491.2).
Conjugation	Un-conjugated
Alternate Names	tRNA pseudouridine synthase A, mitochondrial; tRNA-uridine isomerase I; 38-40; tRNA pseudouridine; EC 5.4.99.12; tRNA pseudouridylate synthase I; MLASA1

### Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	U87	
Observed Size	47 kDa	

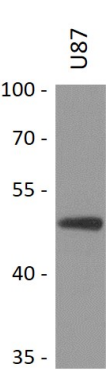
### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	PUS1
Gene Full Name	pseudouridylate synthase 1
Background	This gene encodes a pseudouridine synthase that converts uridine to pseudouridine once it has been incorporated into an RNA molecule. The encoded enzyme may play an essential role in tRNA function and in stabilizing the secondary and tertiary structure of many RNAs. A mutation in this gene has been linked to mitochondrial myopathy and sideroblastic anemia. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Sep 2009]
Function	Converts specific uridines to PSI in a number of tRNA substrates. Acts on positions 27/28 in the anticodon stem and also positions 34 and 36 in the anticodon of an intron containing tRNA. Involved in regulation of nuclear receptor activity possibly through pseudouridylation of SRA1 RNA (By similarity). [UniProt]
Calculated Mw	47 kDa
Cellular Localization	Isoform 1: Mitochondrion. Isoform 2: Nucleus. [UniProt]

Images



ARG59981 anti-PUS1 antibody WB image

Western blot: 25 µg of U87 cell lysate stained with ARG59981 anti-PUS1 antibody at 1:1000 dilution.