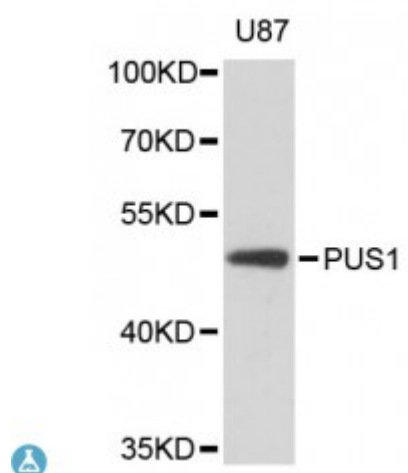


Anti-PUS1 Antibody



Description

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.

Model	STJ116327
Host	Rabbit
Reactivity	Human
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 308-427 of human PUS1 (NP_079491.2).
Gene ID	80324
Gene Symbol	PUS1
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Widely expressed, High levels of expression found in brain and skeletal muscle
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	tRNA pseudouridine synthase A
Molecular Weight	47.47 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:15508OMIM:600462Reactome:R-HSA-6782315
Alternative Names	tRNA pseudouridine synthase A
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 ,
Cellular Localization	Mitochondrion

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