

PUS1 Rabbit pAb

CatalogNo: YN7123

| Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB

MW

- 47kD (Calculated)

Isotype

- IgG

| Recommended Dilution Ratios

WB 1:500-2000

| Storage

Storage*

-15°C to -25°C/1 year(Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

| Basic Information

Clonality

Polyclonal

| Immunogen Information

Immunogen

Synthesized peptide derived from human PUS1

Specificity

This antibody detects endogenous levels of PUS1 at Human, Mouse, Rat

| Target Information

Gene name

PUS1 PP8985

Protein Name	tRNA pseudouridine synthase A, mitochondrial (tRNA pseudouridine(38-40) synthase) (tRNA pseudouridylate synthase I) (tRNA-uridine isomerase I)		
	Organism	Gene ID	UniProt ID
	Human	80324 ;	Q9Y606 ;
	Mouse	56361 ;	Q9WU56 ;
	Rat	304567 ;	Q4KM92 ;
Cellular Localization	[Isoform 1]: Mitochondrion .; [Isoform 2]: Nucleus . Cytoplasm .		
Tissue specificity	Widely expressed (PubMed:15108122). High levels of expression found in brain and skeletal muscle (PubMed:15108122).		
Function	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 .		

| Validation Data

| Contact information

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