10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Pus1 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI11167

Product Information

Application	WB
Primary Accession	Q9WU56
Other Accession	NM_001025562, NP_001020733
Reactivity	Mouse, Rat
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	47502

Additional Information

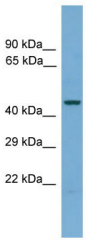
Gene ID	56361
Alias Symbol	A730013B20Rik, MPUS1, mPus1p
Other Names	tRNA pseudouridine synthase A, mitochondrial, 5.4.99.12, tRNA pseudouridine(38-40) synthase, tRNA pseudouridylate synthase I, tRNA-uridine isomerase I, Pus1
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Pus1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Pus1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Pus1 {ECO:0000303|PubMed:10094309, ECO:0000312|MGI:MGI:1929237}
Function	Pseudouridylate synthase that catalyzes pseudouridylation of tRNAs and mRNAs (PubMed:10094309, PubMed:15327771, PubMed:27197761). Acts on positions 27/28 in the anticodon stem and also positions 34 and 36 in the anticodon of an intron containing tRNA (PubMed:10094309). Also catalyzes pseudouridylation of mRNAs: mediates pseudouridylation of mRNAs with the consensus sequence 5'-UGUAG-3' (By similarity). Acts as a regulator of pre-mRNA splicing by mediating pseudouridylation of pre-mRNAs at locations associated with alternatively spliced regions (By similarity). Pseudouridylation of pre-mRNAs near splice sites directly regulates mRNA splicing and mRNA

	3'-end processing (By similarity). Involved in regulation of nuclear receptor activity through pseudouridylation of SRA1 mRNA (PubMed:15327771).
Cellular Location	Nucleus {ECO:0000250|UniProtKB:Q9Y606}. Cytoplasm {ECO:0000250|UniProtKB:Q9Y606}. Mitochondrion {ECO:0000250|UniProtKB:Q9Y606}

Images



WB Suggested Anti-Pus1 Antibody Titration: 0.2-1 µg/ml
Positive Control: Mouse Kidney

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.