

Pus1 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI11167**Specification****Pus1 antibody - N-terminal region - Product Information**

Application	WB
Primary Accession	O9WU56
Other Accession	NM_001025562 , NP_001020733
Reactivity	Mouse, Rat
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44kDa KDa

Pus1 antibody - N-terminal region - 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 pseudouridylylate 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.

Pus1 antibody - N-terminal region - Protein Information**Name** Pus1 {ECO:0000303|PubMed:10094309, ECO:0000312|MGI:MGI:1929237}**Function**

Pseudouridylylate 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

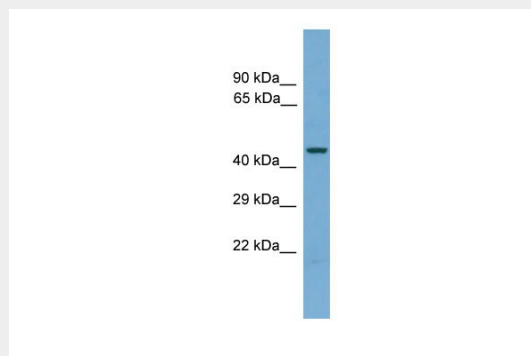
Nucleus {ECO:0000250|UniProtKB:Q9Y606}. Cytoplasm {ECO:0000250|UniProtKB:Q9Y606}. Mitochondrion {ECO:0000250|UniProtKB:Q9Y606}

Pus1 antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Pus1 antibody - N-terminal region - Images



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