

# Pseudouridine / 5-ribosyluracil Rabbit pAb

Catalog No.: A18872

## Basic Information

### Observed MW

Refer to figures

### Calculated MW

### Category

Primary antibody

### Applications

ELISA,DB

### Cross-Reactivity

Species independent

## Background

Pseudouridine is the most abundant post-transcriptional RNA modification, which presents mostly in non-coding RNAs such as tRNA, rRNA, snRNA and snoRNA. Pseudouridine impacts various aspects of RNA biology, conferring distinct structural and functional properties to the RNA molecules that it decorates. It is also reported that pseudouridine has been found in mRNA in both yeast and human by sequencing analysis. Replacing uridine to pseudouridine enhances structural stability of RNA, and is expected to affect rRNA processing, translation and pre-mRNA splicing. Also, aberrant pseudouridylation contributes to a variety of human diseases, including cancer and genetic disorders. Dysregulation of the pseudouridine epitranscriptome can arise from mutations and abnormal expression of pseudouridylation machinery, impacting protein translation and other cellular processes.

## Recommended Dilutions

DB 1:3000 - 1:10000

## Immunogen Information

### Gene ID

### Swiss Prot

### Immunogen

Chemical compounds corresponding to Pseudouridine / 5-ribosyluracil / Y.

### Synonyms

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

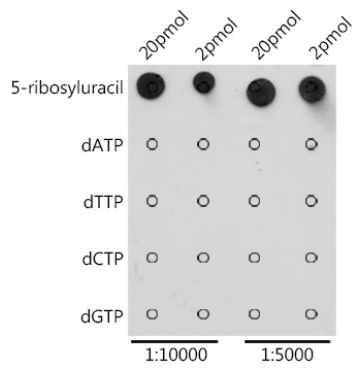
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Validation Data

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Dot-blot analysis of all sorts of chemical compounds using Pseudouridine / 5-ribosyluracil antibody (A18872) at 1:5000/1:10000 dilution