A18872
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Pseudouridine / 5-ribosyluracil Rabbit pAb

Catalog No.: A18872

Basic Information

Observed MW
Refer to figures

Calculated MW

Category
Small Molecule-specific 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

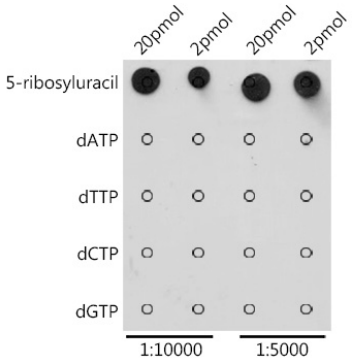
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

Validation Data



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