

**NOP10 Antibody**  
**Rabbit mAb**  
**Catalog # AP92765****Specification**

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**NOP10 Antibody - Product Information**

|                              |                        |
|------------------------------|------------------------|
| Application                  | WB, IHC                |
| Primary Accession            | <a href="#">Q9NPE3</a> |
| Clonality                    | Monoclonal             |
| <b>Other Names</b>           |                        |
| DKCB1; NOLA3; NOP10; NOP10P; |                        |
| Isotype                      | Rabbit IgG             |
| Host                         | Rabbit                 |
| Calculated MW                | 7706 Da                |

**NOP10 Antibody - Additional Information**

|                              |                                                                                                                                                                                   |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dilution                     | WB~~1:1000<br>IHC~~1:100~500                                                                                                                                                      |
| Purification                 | Affinity-chromatography                                                                                                                                                           |
| Immunogen                    | A synthesized peptide derived from human NOP10                                                                                                                                    |
| Description                  | Required for ribosome biogenesis and telomere maintenance. Part of the H/ACA small nucleolar ribonucleoprotein (H/ACA snoRNP) complex, which catalyzes pseudouridylation of rRNA. |
| Storage Condition and Buffer | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |

**NOP10 Antibody - Protein Information****Name** NOP10**Synonyms** NOLA3**Function**

Required for ribosome biogenesis and telomere maintenance. Part of the H/ACA small nucleolar ribonucleoprotein (H/ACA snoRNP) complex, which catalyzes pseudouridylation of rRNA (PubMed:<a href="http://www.uniprot.org/citations/32554502" target="\_blank">32554502</a>). This involves the isomerization of uridine such that the ribose is subsequently attached to C5, instead of the normal N1. Each rRNA can contain up to 100 pseudouridine ('psi') residues, which may serve to stabilize the conformation of rRNAs. May also be required for correct processing or intranuclear trafficking of TERC, the RNA component of the telomerase reverse transcriptase (TERT) holoenzyme.

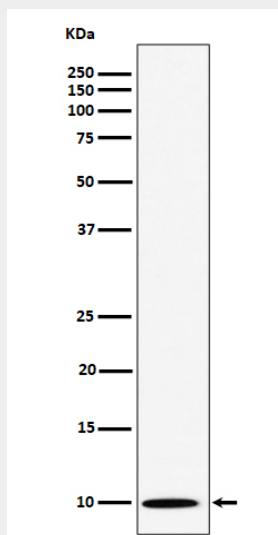
**Cellular Location**

Nucleus, nucleolus. Nucleus, Cajal body. Note=Also localized to Cajal bodies (coiled bodies)

**NOP10 Antibody - 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](#)

**NOP10 Antibody - Images**

Western blot analysis of NOP10 expression in Jurkat cell lysate.