# NOP10 Rabbit mAb

## Catalog No.: A9356

Recombinant

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## Basic Information

**Observed MW**
11kDa

**Calculated MW**
8kDa

**Category**
Monoclonal Antibodies

**Applications**
WB, IP, IHC-P, ELISA

**Cross Reactivity**
Human, Mouse, Rat

**Clone No.**
ARC2776

## Background

This gene is a member of the H/ACA snoRNPs (small nucleolar ribonucleoproteins) gene family. snoRNPs are involved in various aspects of rRNA processing and modification and have been classified into two families: C/D and H/ACA. The H/ACA snoRNPs also include the DKC1, NOLA1 and NOLA2 proteins. These four H/ACA snoRNP proteins localize to the dense fibrillar components of nucleoli and to coiled (Cajal) bodies in the nucleus. Both 18S rRNA production and rRNA pseudouridylation are impaired if any one of the four proteins is depleted. The four H/ACA snoRNP proteins are also components of the telomerase complex. This gene encodes a protein related to Saccharomyces cerevisiae Nop10p.

## Recommended Dilutions

**WB** 1:500 - 1:1000

**IP**
0.5μg-4μg antibody for 200μg-400μg extracts of whole cells

**IHC-P** 1:50 - 1:200

**ELISA**
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

**Gene ID**
55505

**Swiss-Prot**
Q9NPE3

**Immunogen**
Synthetic peptide. This information is considered to be commercially sensitive.

**Synonyms**
DKCB1; NOLA3; NOP10P; NOP10

## Contact

400-999-6126
cn.market@abclonal.com.cn
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## Product Information

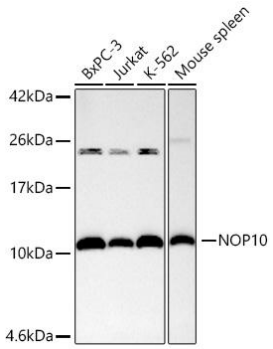
**Source**
Rabbit

**Isotype**
IgG

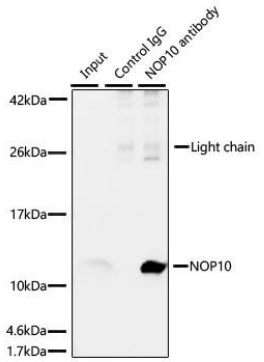
**Purity**
Affinity purification

**Storage**
Store at -20℃
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

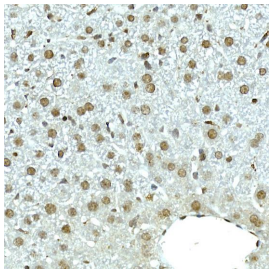
## Validation Data



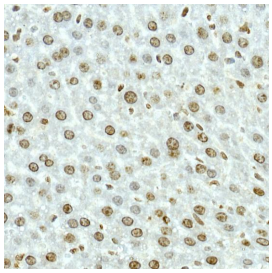

Western blot analysis of various lysates using NOP10 Rabbit mAb (A9356) at 1:1000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90 s.




Immunoprecipitation of NOP10 from 600 µg extracts of Mouse spleen was performed using 3 µg of NOP10 Rabbit mAb (A9356). Rabbit IgG isotype control (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1X reducing Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using NOP10 Rabbit mAb (A9356) at a dilution of 1:500.



Immunohistochemistry analysis of paraffin-embedded Mouse liver using NOP10 Rabbit mAb (A9356) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat brain using NOP10 Rabbit mAb (A9356) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



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