

Product Name: KD-Validated NOP10 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA01140

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 7.7kDa

Antigen Information

Gene Name	NOP10 NOP10; NOP10 Ribonucleoprotein; NOP10P; NOLA3; Nucleolar Protein Family A, Member 3 (H/ACA Small Nucleolar RNPs); H/ACA Ribonucleoprotein Complex Subunit 3; Nucleolar
Alternative Names	Protein Family A Member 3; Homolog Of Yeast Nop10p; Nucleolar Protein 10; SnoRNP Protein NOP10; MGC70651; NOP10 Ribonucleoprotein Homolog (Yeast); NOP10 Ribonucleoprotein Homolog; PFBMFT9; CHINE2; DKCB1
Gene ID	55505.0
SwissProt ID	Q9NPE3
Immunogen	A synthesized peptide derived from human NOP10

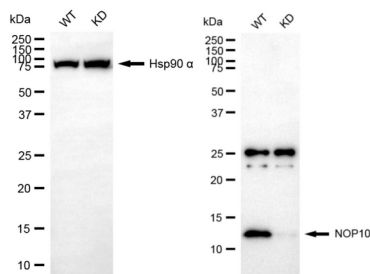
Background

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. [provided by RefSeq, Jul 2008]

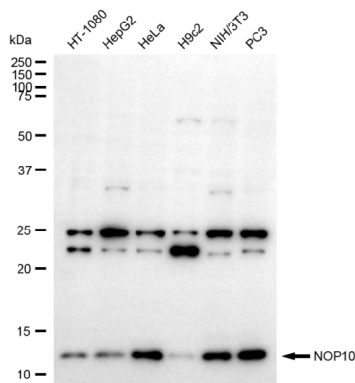
Research Area

Cancer

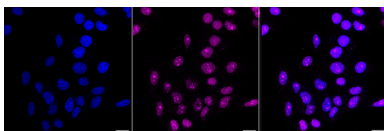
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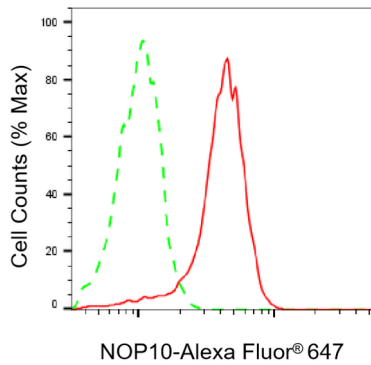
Western blotting analysis using NOP10 antibody (KVA01140). NOP10 expression in wild-type (WT) and NOP10 knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with NOP10 antibody (KVA01140, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using NOP10 antibody (KVA01140). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with NOP10 antibody (KVA01140, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with NOP10 antibody (KVA01140, 1:1,000). Nuclei were stained blue with DAPI; NOP10 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of NOP10 expression in HepG2 cells using NOP10 antibody (KVA01140, 1:2,000). Green, isotype control; red, NOP10.