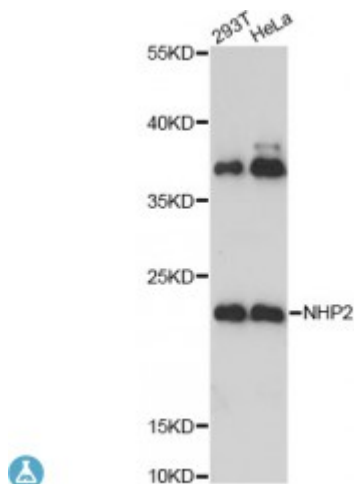


Anti-NHP2 Antibody



Description

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 NOLA3 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* Nhp2p. Alternative splicing results in multiple transcript variants.

Model	STJ116289
Host	Rabbit
Reactivity	Human
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-153 of human NHP2 (NP_060308.1).
Gene ID	55651
Gene Symbol	NHP2
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Expressed in brain, colon, heart, kidney, ovary, pancreas, placenta, prostate, skeletal muscle, small intestine, spleen, testis and thymus, Also expressed at lower levels in the liver

Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	H/ACA ribonucleoprotein complex subunit 2 Nucleolar protein family A member 2 snoRNP protein NHP2
Molecular Weight	17.201 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:14377OMIM:606470Reactome:R-HSA-171319
Alternative Names	H/ACA ribonucleoprotein complex subunit 2 Nucleolar protein family A member 2 snoRNP protein NHP2
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, 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 Localization	Nucleus, nucleolus, Nucleus, Cajal body,