

Rabbit NHP2 Polyclonal Antibody | anti-NHP2 antibody

NHP2 Antibody

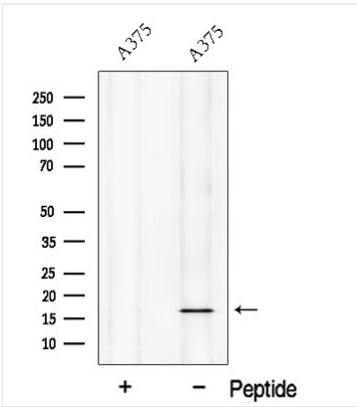
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328690	Rabbit	Human, Mouse, RatPredicted: Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus	Western Blot

PRODUCT SYNONYMS

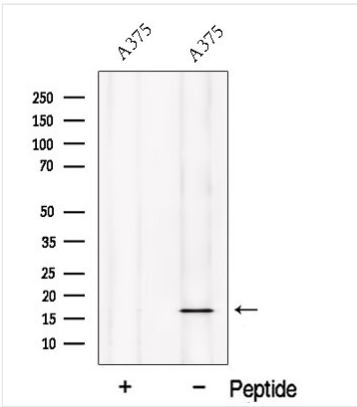
NHP2; Polyclonal Antibody; NHP2 Antibody; DKCB2; FLJ20479; H/ACA ribonucleoprotein complex subunit 2; NHP2 like protein; NHP2 ribonucleoprotein; NHP2 ribonucleoprotein homolog (yeast) 1; NHP2 ribonucleoprotein homolog; S. cerevisiae; homolog of; NHP2_HUMAN; NHP2P; NOLA2; Nucleolar protein family A member 2 (H/ACA small nucleolar RNPs); Nucleolar protein family A member 2; snoRNP protein NHP2; anti-NHP2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Clonality	Polyclonal
Isotype	IgG
Specificity	NHP2 Antibody detects endogenous levels of NHP2.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	90
Applicable Applications for anti-NHP2 antibody	WB (Western Blot)
Immunogen	A synthesized peptide derived from human NHP2.
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.
Fragment	Fab Fragment
Conjugate	Unconjugated
Subcellular Location	Nucleus
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of extracts from A375 cells, using NHP2 Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)
Western blot analysis of extracts from Myeloma cells, using NHP2 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-NHP2 antibody	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. 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. Subunit Structure: Part of the H/ACA small nucleolar ribonucleoprotein (H/ACA snoRNP) complex, which contains NHP2/NOLA2, GAR1/NOLA1, NOP10/NOLA3, and DKC1/NOLA4, which is presumed to be the catalytic subunit. The complex contains a stable core formed by binding of one or two NOP10-DKC1 heterodimers to NHP2; GAR1 subsequently binds to this core via DKC1. The complex binds a box H/ACA small nucleolar RNA (snoRNA), which may target the specific site of modification within the RNA substrate. During assembly, the complex contains NAF1 instead of GAR1/NOLA1. The complex also interacts with TERC, which contains a 3'-terminal domain related to the box H/ACA snoRNAs. Specific interactions with snoRNAs or TERC are mediated by GAR1 and NHP2. Associates with NOLC1/NOPP140. H/ACA snoRNPs interact with the SMN complex, consisting of SMN1 or SMN2, GEMIN2/SIP1, DDX20/GEMIN3, and GEMIN4. This is mediated by interaction between GAR1 and SMN1 or SMN2. The SMN complex may be required for correct assembly of the H/ACA snoRNP complex. Component of the telomerase holoenzyme complex at least composed of TERT, DKC1, WRAP53/TCAB1, NOP10, NHP2, GAR1, TEP1, EST1A, POT1 and a telomerase RNA template component (TERC). Similarity: Belongs to the eukaryotic ribosomal protein eL8 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	77812674
NCBI GeneID	55651
NCBI Accession #	NP_001030005.1
NCBI GenBank Nucleotide #	NP_001030005.1
UniProt Accession #	Q9NX24
Molecular Weight	Observed: 17 kDa Predicted: 18 kDa
NCBI Official Full Name	H/ACA ribonucleoprotein complex subunit 2 isoform b
NCBI Official Synonym Full Names	NHP2 ribonucleoprotein
NCBI Official Symbol	NHP2

NCBI Official Synonym Symbols	DKCB2; NHP2P; NOLA2
NCBI Protein Information	H/ACA ribonucleoprotein complex subunit 2
UniProt Protein Name	H/ACA ribonucleoprotein complex subunit 2
UniProt Gene Name	NHP2
UniProt Synonym Gene Names	NOLA2
UniProt Entry Name	NHP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nhp2-antibody-western-blot-elisa/328690>