Datasheet for ABIN7600595

anti-NHP2 antibody (AA 21-136)

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Overview

Quantity:	100 µg
Target:	NHP2
Binding Specificity:	AA 21-136
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NHP2 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF), Immunoprecipitation (IP), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-NHP2 Antibody Picoband®
Immunogen:	E.coli-derived human NHP2 recombinant protein (Position: E21-Q136).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-NHP2 Antibody Picoband® (ABIN7600595). Tested in ELISA, IP, IF, ICC, WB, Flow Cytometry applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	NHP2
Alternative Name:	NHP2 (NHP2 Products)
Background:	Synonyms: N-alpha-acetyltransferase 15, NatA auxiliary subunit,Gastric cancer antigen Ga19,N-terminal acetyltransferase,NMDA receptor-regulated protein 1,Protein tubedown-1,Tbdn100,NAA15,GA19, NARG1, NATH, TBDN100, Tissue Specificity: Expressed at high levels in testis and in ocular endothelial cells. Also found in brain (corpus callosum), heart, colon, bone marrow and at lower levels in most adult tissues, including thyroid, liver, pancreas, mammary and salivary glands, lung, ovary, urogenital system and upper gastrointestinal tract. Overexpressed in gastric cancer, in papillary thyroid carcinomas and in a Burkitt lymphoma cell line (Daudi). Specifically suppressed in abnormal proliferating blood vessels in eyes of patients with proliferative diabetic retinopathy. . 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 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.
Molecular Weight:	20 kDa
Gene ID:	55651
Pathways:	Telomere Maintenance

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Immunoprecipitation, 0.5-2 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Gross, M. B. Personal Communication. Baltimore, Md. 11/1/2021. 2. Pogacic, V., Dragon, F., Filipowicz, W. Human H/ACA small nucleolar RNPs and telomerase share evolutionarily conserved proteins NHP2 and NOP10. Molec. Cell. Biol. 20: 9028-9040, 2000. 3. Tollervey, D.,

Application Details

	Kiss, T. Function and synthesis of small nucleolar RNAs. Curr. Opin. Cell Biol. 9: 337-342, 1997.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.