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NOP56 Polyclonal Antibody

Catalog # AP73968

Product Information

Application	WB
Primary Accession	O00567
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	66050

Additional Information

Gene ID	10528
Other Names	Nucleolar protein 56 (Nucleolar protein 5A)
Dilution	WB~~WB 1:500-2000, ELISA 1:10000-20000
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

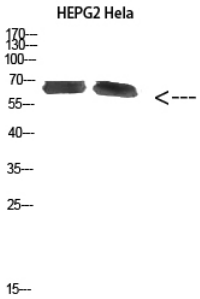
Protein Information

Name	NOP56 (HGNC:15911)
Synonyms	NOL5A
Function	Involved in the early to middle stages of 60S ribosomal subunit biogenesis. Required for the biogenesis of box C/D snoRNAs such U3, U8 and U14 snoRNAs (PubMed:12777385, PubMed:15574333). Part of the small subunit (SSU) processome, first precursor of the small eukaryotic ribosomal subunit. During the assembly of the SSU processome in the nucleolus, many ribosome biogenesis factors, an RNA chaperone and ribosomal proteins associate with the nascent pre-rRNA and work in concert to generate RNA folding, modifications, rearrangements and cleavage as well as targeted degradation of pre-ribosomal RNA by the RNA exosome (PubMed:34516797). Core component of box C/D small nucleolar ribonucleoprotein (snoRNP) complexes that function in methylation of multiple sites on ribosomal RNAs (rRNAs) and messenger RNAs (mRNAs) (PubMed:12777385, PubMed:39570315).
Cellular Location	Nucleus, nucleolus. Cytoplasm {ECO:0000250|UniProtKB:Q9D6Z1} Nucleus, nucleoplasm

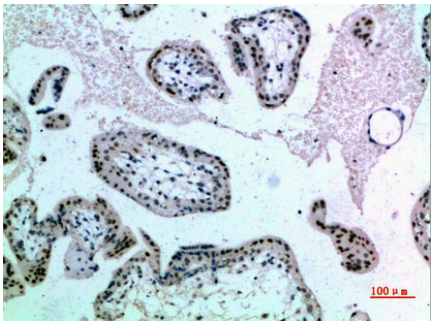
Background

Involved in the early to middle stages of 60S ribosomal subunit biogenesis. Core component of box C/D small nucleolar ribonucleoprotein (snoRNP) particles. Required for the biogenesis of box C/D snoRNAs such U3, U8 and U14 snoRNAs.

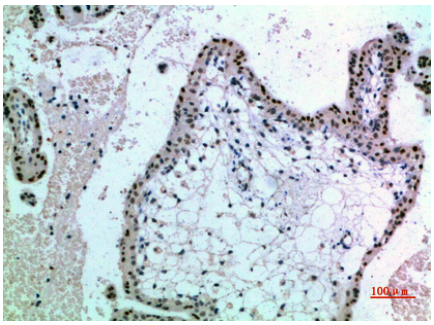
Images



Western Blot analysis of HEPG2 Hela cells using NOP56 Polyclonal Antibody diluted at 1:1000. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-placenta, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded human-placenta, antibody was diluted at 1:200