ARG45460
anti-NOP58 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NOP58
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NOP58
Species	Human
Immunogen	Recombinant protein containing to human NOP58.
Conjugation	Un-conjugated
Alternate Names	NOP58; NOP58 Ribonucleoprotein; NOP5; HSPC120; Nucleolar Protein 58; Nucleolar Protein 5; NOP58 Ribonucleoprotein Homolog (Yeast); NOP58 Ribonucleoprotein Homolog; Nucleolar Protein NOP5/NOP58; NOP5/NOP58; NOL5

Application Instructions

Application table

Application	Dilution
FACS	1 - 3 µg/10^6 cells
ICC/IF	5 µg/ml
WB	0.25-0.5 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Observed Size: 70 kDa

Properties

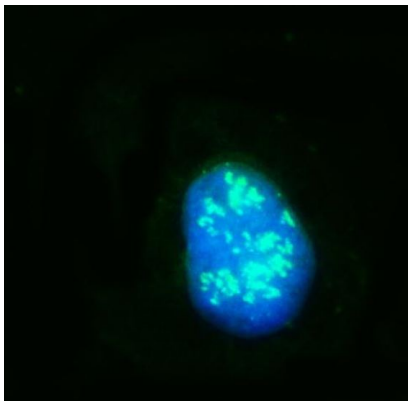
Form	Powder
Purification	Affinity purified
Buffer	0.2% Na2HPO4, 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

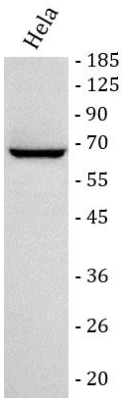
Gene Symbol	NOP58
Gene Full Name	NOP58 Ribonucleoprotein
Background	The protein encoded by this gene is a core component of box C/D small nucleolar ribonucleoproteins. Some box C/D small nucleolar RNAs (snoRNAs), such as U3, U8, and U14, are dependent upon the encoded protein for their synthesis. This protein is SUMOylated, which is necessary for high affinity binding to snoRNAs. [provided by RefSeq, Nov 2015]
Function	Required for 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 as U3, U8 and U14 snoRNAs. 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. [UniProt]
Calculated Mw	60 kDa
PTM	Isopeptide bond; Phosphoprotein; Ubl conjugation. [UniProt]
Cellular Localization	Nucleus. [UniProt]

Images



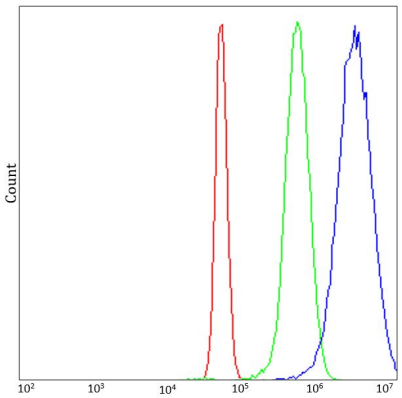
ARG45460 anti-NOP58 antibody ICC/IF image

Immunofluorescence: CACO-2 stained with ARG45460 anti-NOP58 antibody at 5 µg/ml dilution.



ARG45460 anti-NOP58 antibody WB image

Western blot: Hela stained with ARG45460 anti-NOP58 antibody at 0.5 µg/ml dilution.



ARG45460 anti-NOP58 antibody FACS image

Flow Cytometry: U251 stained with ARG45460 anti-NOP58 antibody at 1 µg/10^6 cells dilution.