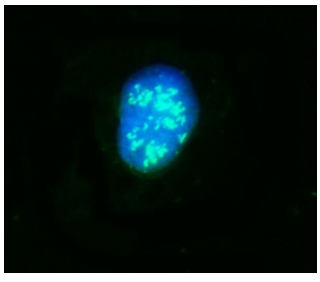
NOP58 Antibody / Nucleolar protein 58 (RQ7238)

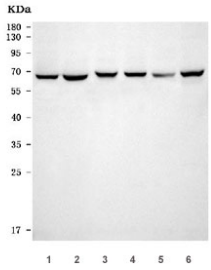
Catalog No.	Formulation	Size
RQ7238	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

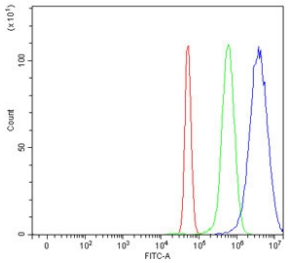
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9Y2X3
Localization	Nucleus, Nucleolus
Applications	Western Blot : 0.5-1ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This NOP58 antibody is available for research use only.



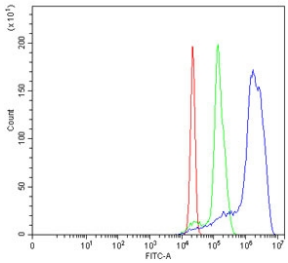
Immunofluorescent staining of FFPE human Caco-2 cells with NOP58 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) HeLa, 2) K562, 3) HEL, 4) MOLT4, 5) U-251 and 6) HepG2 cell lysate with NOP58 antibody. Predicted molecular weight ~60 kDa, commonly observed at 58-65 kDa.



Flow cytometry testing of human U-251 cells with NOP58 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= NOP58 antibody.



Flow cytometry testing of human U937 cells with NOP58 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= NOP58 antibody.

Description

Nucleolar protein 58 is a protein that in humans is encoded by the NOP58 gene. 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.

Application Notes

Optimal dilution of the NOP58 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids K30-K450) was used as the immunogen for the NOP58 antibody.

Storage

After reconstitution, the NOP58 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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