

Nucleolin Antibody (RQ5539)

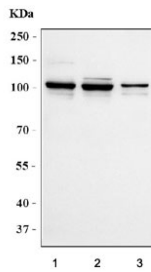
Catalog No.	Formulation	Size
RQ5539	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

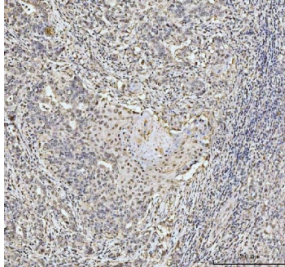
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat, Monkey
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P19338
Localization	Nuclear
Applications	Western Blot : 0.25-0.5ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml Flow Cytometry : 1-3ug/million cells Immunofluorescence : 2-4ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This Nucleolin antibody is available for research use only.

KDa
180-
130-
95-
72-
55-
43-
34-
26-
17-

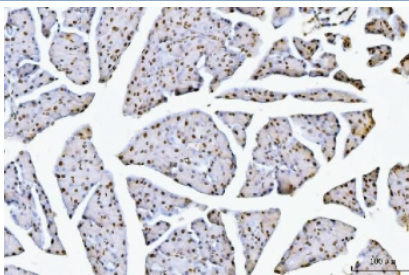
Western blot testing of human HepG2 cell lysate with Nucleolin antibody. Predicted molecular weight ~77 kDa, commonly observed at 100~110 kDa.



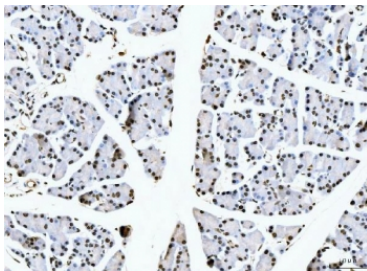
Western blot testing of 1) human K562, 2) human HeLa and 3) monkey COS-7 cell lysate with Nucleolin antibody. Predicted molecular weight ~77 kDa, commonly observed at 100–110 kDa.



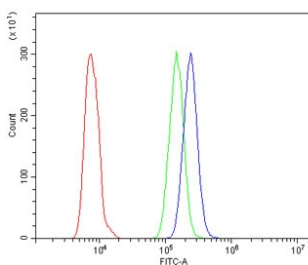
IHC staining of FFPE human squamous metaplasia of the renal pelvis with Nucleolin antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



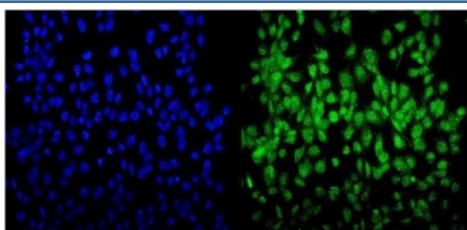
IHC staining of FFPE mouse pancreas with Nucleolin antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



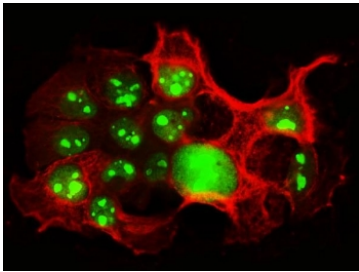
IHC staining of FFPE rat pancreas with Nucleolin antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Flow cytometry testing of human HL60 cells with Nucleolin antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Nucleolin antibody.



Immunofluorescent staining of FFPE human U-2 OS cells with Nucleolin antibody (green) and DAPI nuclear stain (blue).



Immunofluorescent staining of FFPE human A431 cells with Nucleolin antibody (green) and Beta Tubulin antibody (red).

Description

Nucleolin is a protein that in humans is encoded by the NCL gene. It is mapped to 2q37.1. Nucleolin (NCL), a eukaryotic nucleolar phosphoprotein, is involved in the synthesis and maturation of ribosomes. It is located mainly in dense fibrillar regions of the nucleolus. Human NCL gene consists of 14 exons with 13 introns and spans approximately 11kb. The intron 11 of the NCL gene encodes a small nucleolar RNA, termed U20.

Application Notes

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

Immunogen

A human recombinant protein (amino acids K219-A629) was used as the immunogen for the Nucleolin antibody.

Storage

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