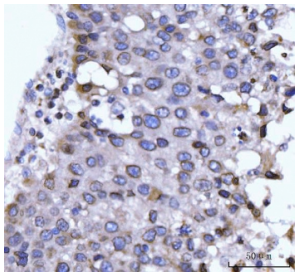
NUP210 Antibody / Nuclear pore membrane glycoprotein 210 (RQ6666)

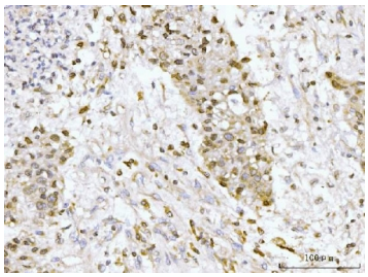
Catalog No.	Formulation	Size
RQ6666	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
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	Q8TEM1
Localization	Cytoplasm, nuclear membrane
Applications	Western blot: 1-2ug/ml Immunofluorescence (FFPE): 5ug/ml Flow cytometry: 1-3ug/million cells Immunohistochemistry (FFPE): 2-5ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This NUP210 antibody is available for research use only.



IHC staining of FFPE human liver tissue with NUP210 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



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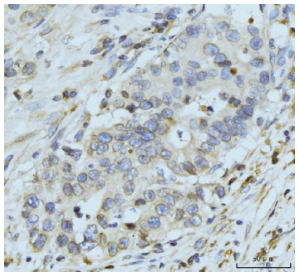
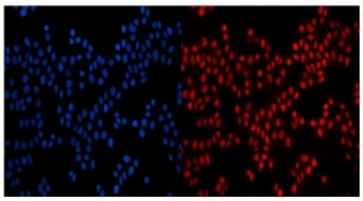
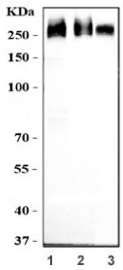


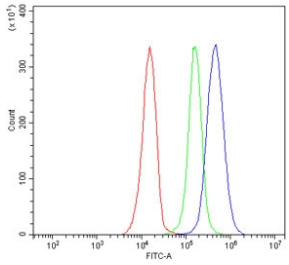
IHC staining of FFPE human appendiceal adenocarcinoma tissue with NUP210 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Immunofluorescent staining of FFPE human MCF7 cells with NUP210 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human MCF7, 2) human HEK293 and 3) rat thymus tissue lysate with NUP210 antibody. Predicted molecular weight ~205 kDa but may be observed at higher molecular weights due to glycosylation.



Flow cytometry testing of human JK-1 cells with NUP210 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= NUP210 antibody.

Description

The nuclear pore complex is a massive structure that extends across the nuclear envelope, forming a gateway that regulates the flow of macromolecules between the nucleus and the cytoplasm. Nucleoporins are the main components of the nuclear pore complex in eukaryotic cells. The protein encoded by this gene is a membrane-spanning glycoprotein that is a major component of the nuclear pore complex. Multiple pseudogenes related to this gene are located on chromosome 3.

Application Notes

Optimal dilution of the NUP210 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids R221-K1724) was used as the immunogen for the NUP210 antibody.

Storage

After reconstitution, the NUP210 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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