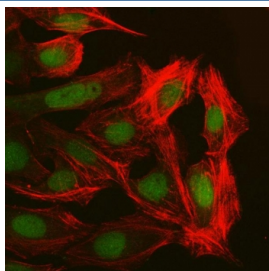


NUP37 Antibody / Nucleoporin 37 (RQ8425)

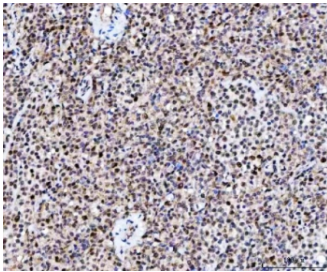
Catalog No.	Formulation	Size
RQ8425	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

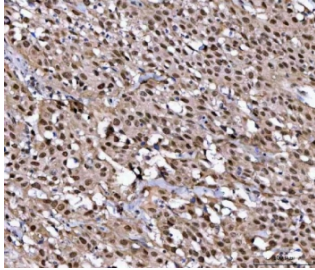
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q8NFH4
Localization	Nuclear
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This NUP37 antibody is available for research use only.



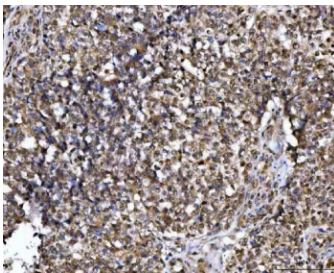
Immunofluorescent staining of FFPE human U-2 OS cells with NUP37 antibody (green) and Phalloidin (red). HIER: steam section in pH6 citrate buffer for 20 min.



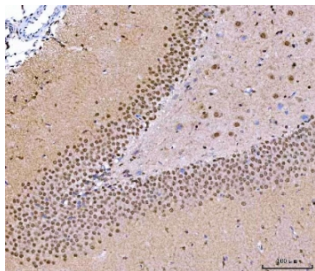
IHC staining of FFPE human large B-cell lymphoma tissue with NUP37 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



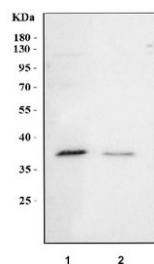
IHC staining of FFPE human bladder urothelial carcinoma tissue with NUP37 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



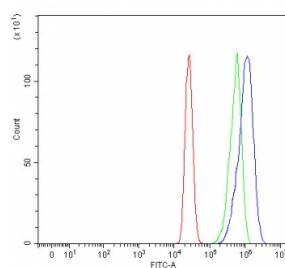
IHC staining of FFPE human ovarian cancer tissue with NUP37 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat brain tissue with NUP37 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) K562 and 2) HepG2 cell lysate with NUP37 antibody. Predicted molecular weight ~37 kDa.



Flow cytometry testing of fixed and permeabilized human MCF7 cells with NUP37 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= NUP37 antibody.

Description

Nucleoporin 37 (Nup37) is a protein that in humans is encoded by the NUP37 gene. Nuclear pore complexes (NPCs) are used for transporting macromolecules between the cytoplasm and the nucleus. NPCs consist of multiple copies of 30 distinct proteins (nucleoporins), which assemble into biochemically-separable subcomplexes. The protein encoded by this gene is part of a subcomplex (Nup107-160) that is required for proper NPC function as well as for normal kinetochore-microtubule interaction and mitosis.

Application Notes

Optimal dilution of the NUP37 antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (R7-D231) was used as the immunogen for the NUP37 antibody.

Storage

After reconstitution, the NUP37 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.