U1-70K Antibody / U1 small nuclear ribonucleoprotein 70 kDa / SNRNP70 (RQ8733)

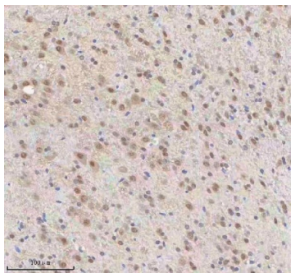
Catalog No.	Formulation	Size
RQ8733	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

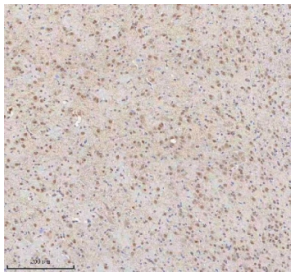
Availability	1-3 days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity chromatography
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P08621
Localization	Nuclear
Applications	Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells ELISA: 0.1-0.5ug/ml
Limitations	This U1-70K antibody is available for research use only.



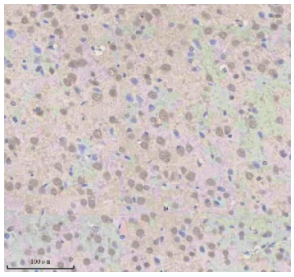
Immunofluorescent staining of FFPE human U-2 OS cells with U1-70K antibody (red) and Beta Tubulin mAb (green). HIER: steam section in pH6 citrate buffer for 20 min.



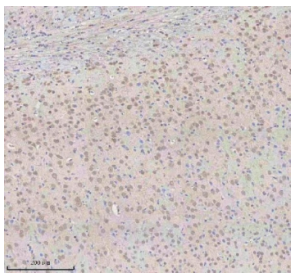
IHC staining of FFPE rat brain tissue (midbrain) with U1-70K antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



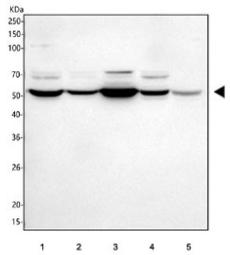
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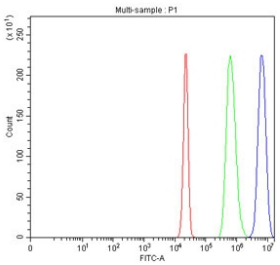
IHC staining of FFPE rat brain tissue (cerebral cortex) with U1-70K antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat brain tissue (cerebral cortex) with U1-70K antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human HeLa, 2) human Jurkat, 3) human HepG2, 4) human 293T and 4) rat brain tissue lysate with U1-70K antibody. Predicted molecular weight ~52 kDa.



Flow cytometry testing of fixed and permeabilized human HepG2 cells with U1-70K antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= U1-70K antibody.

Description

snRNP70 also known as U1 small nuclear ribonucleoprotein 70 kDa is a protein that in humans is encoded by the SNRNP70 gene. SNRP70 contains 1 RRM (RNA recognition motif) domain and mediates the splicing of pre-mRNA by binding to the loop I region of U1-snRNA. Western blots using two different antibodies against two unique regions of this protein target confirm the same apparent molecular weight in our tests.

Application Notes

Optimal dilution of the U1-70K antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids M1-D232) was used as the immunogen for the U1-70K antibody.

Storage

After reconstitution, the U1-70K 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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