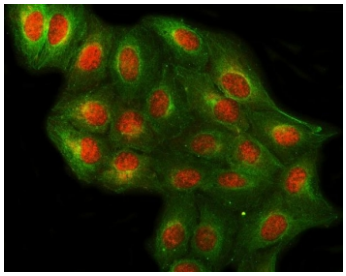
PRPF4 Antibody / U4/U6 small nuclear ribonucleoprotein Prp4 (RQ8179)

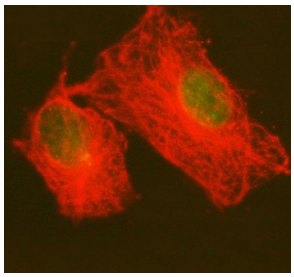
Catalog No.	Formulation	Size
RQ8179	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

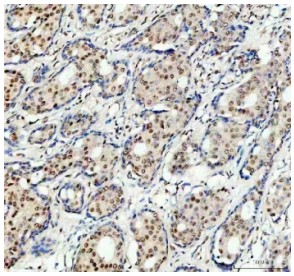
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O43172
Localization	Nuclear
Applications	Western blot: 0.5-1ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells Immunohistochemistry (FFPE): 2-5ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This PRPF4 antibody is available for research use only.



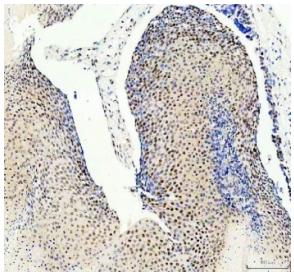
Immunofluorescent staining of FFPE human U-2 OS cells with PRPF4 antibody (red) and Beta Tubulin mAb (green). HIER: steam section in pH6 citrate buffer for 20 min.



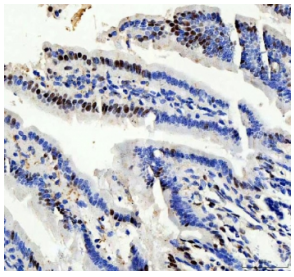
Immunofluorescent staining of FFPE human A549 cells with PRPF4 antibody (green) and Alpha Tubulin mAb (red). HIER: steam section in pH6 citrate buffer for 20 min.



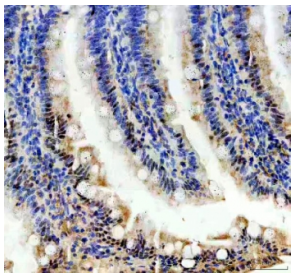
IHC staining of FFPE human breast cancer tissue with PRPF4 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



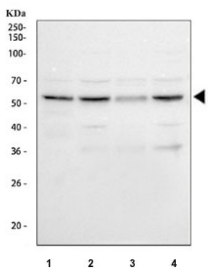
IHC staining of FFPE human skin cancer tissue with PRPF4 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



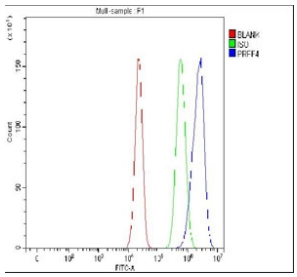
IHC staining of FFPE mouse colon tissue with PRPF4 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat colon tissue with PRPF4 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) HaCaT, 2) SiHa, 3) A549 and 4) HeLa cell lysate with PRPF4 antibody. Predicted molecular weight ~58 kDa.



Flow cytometry testing of fixed and permeabilized human SiHa cells with PRPF4 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= PRPF4 antibody.

Description

U4/U6 small nuclear ribonucleoprotein Prp4 is a protein that in humans is encoded by the PRPF4 gene. he protein encoded by this gene is part of a heteromeric complex that binds U4, U5, and U6 small nuclear RNAs and is involved in pre-mRNA splicing. The encoded protein also is a mitotic checkpoint protein and a regulator of chemoresistance in human ovarian cancer. Several transcript variants encoding different isoforms have been found for this gene.

Application Notes

Optimal dilution of the PRPF4 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids R5-H461) was used as the immunogen for the PRPF4 antibody.

Storage

After reconstitution, the PRPF4 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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