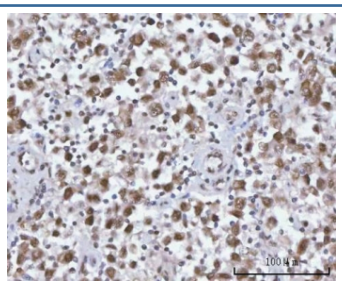
SF3a66 Antibody / Splicing factor 3A subunit 2 / SF3A2 (RQ8173)

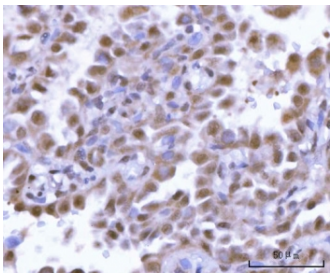
Catalog No.	Formulation	Size
RQ8173	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

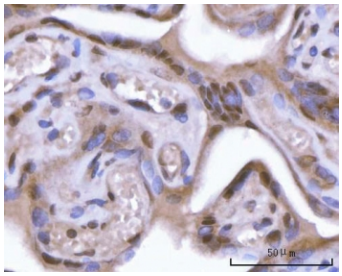
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q15428
Localization	Nuclear
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells Immunoprecipitation: 2ug/500ug of lysate Direct ELISA: 0.1-0.5ug/ml
Limitations	This SF3a66 antibody is available for research use only.



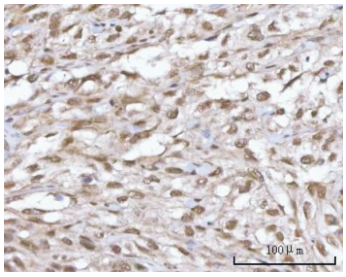
IHC staining of FFPE human testicular seminoma tissue with SF3a66 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



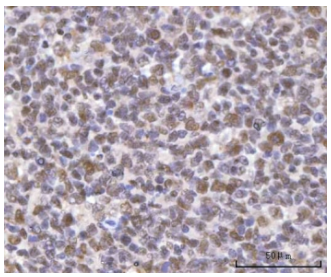
IHC staining of FFPE human lung adenocarcinoma tissue with SF3a66 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



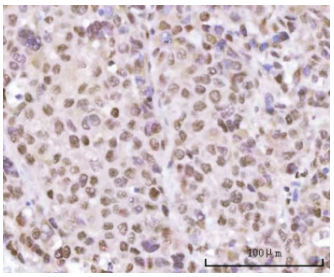
IHC staining of FFPE human placenta tissue with SF3a66 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



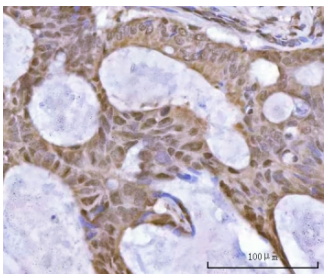
IHC staining of FFPE human urothelial carcinoma tissue with SF3a66 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



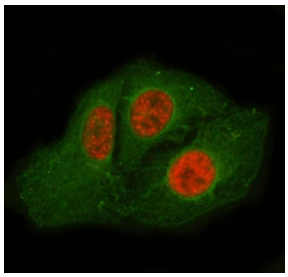
IHC staining of FFPE human tonsil tissue with SF3a66 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



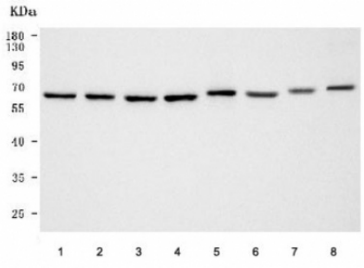
IHC staining of FFPE human liver cancer tissue with SF3a66 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



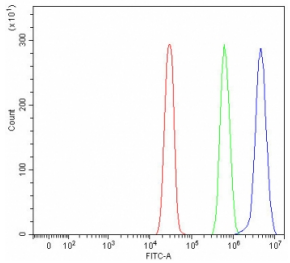
IHC staining of FFPE human rectum adenocarcinoma tissue with SF3a66 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



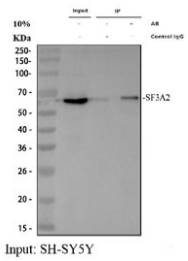
Immunofluorescent staining of FFPE human U-2 OS cells with SF3a66 antibody (green) and Beta Tubulin mAb (green). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human HeLa, 2) human HepG2, 3) human A549, 4) human SH-SY5Y, 5) rat thymus, 6) rat ovary, 7) mouse thymus and 8) mouse ovary tissue lysate with SF3a66 antibody. Predicted molecular weight ~49 kDa but commonly observed at ~66 kDa.



Flow cytometry testing of fixed and permeabilized human SiHa cells with SF3a66 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= SF3a66 antibody.



Immunoprecipitation of SF3a66 protein from 500ug of human SH-SY5Y whole cell lysate with 2ug of SF3a66 antibody.

Description

Splicing factor 3A subunit 2, also called SAP-62 and SF3a66, is a protein that in humans is encoded by the SF3A2 gene. This gene encodes subunit 2 of the splicing factor 3a protein complex. The splicing factor 3a heterotrimer includes subunits 1, 2 and 3 and is necessary for the in vitro conversion of 15S U2 snRNP into an active 17S particle that performs pre-mRNA splicing. Subunit 2 interacts with subunit 1 through its amino-terminus while the single zinc finger domain of subunit 2 plays a role in its binding to the 15S U2 snRNP. Subunit 2 may also function independently of its RNA splicing function as a microtubule-binding protein.

Application Notes

Optimal dilution of the SF3a66 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids R29-P256) was used as the immunogen for the SF3a66 antibody.

Storage

After reconstitution, the SF3a66 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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