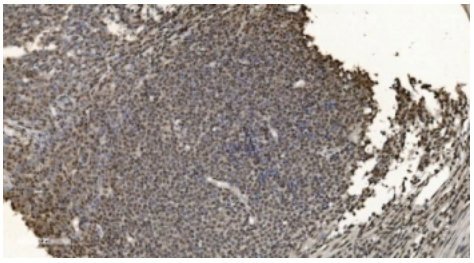
hnRNP H3 Antibody / HNRNPH3 (RQ6319)

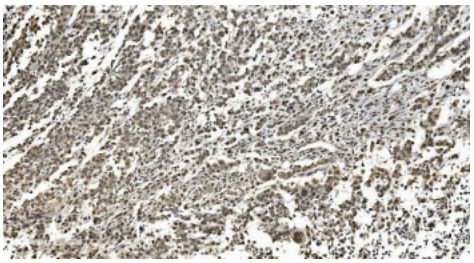
Catalog No.	Formulation	Size
RQ6319	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

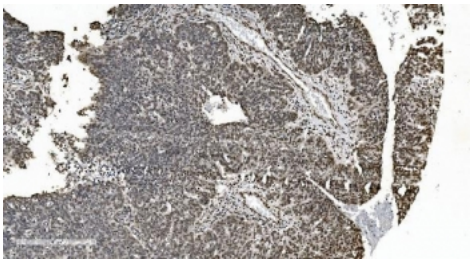
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P31942
Localization	Nuclear
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Immunofluorescence (FFPE): 5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This hnRNP H3 antibody is available for research use only.



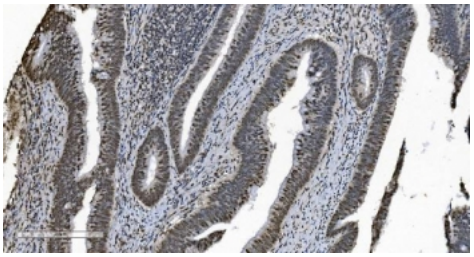
IHC staining of FFPE human lymph node metastasis in gastric cancer with hnRNP H3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



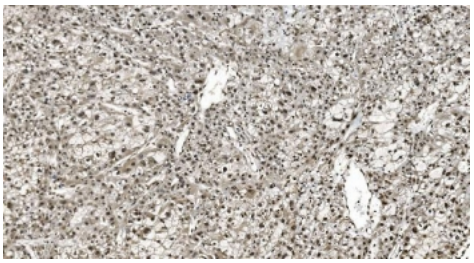
IHC staining of FFPE human pancreatic cancer with hnRNP H3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



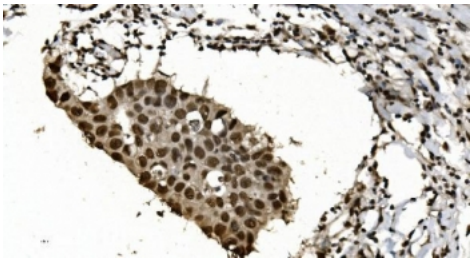
IHC staining of FFPE human ovarian serous adenocarcinoma with hnRNP H3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



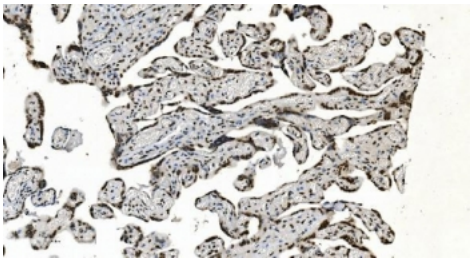
IHC staining of FFPE human rectal cancer with hnRNP H3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



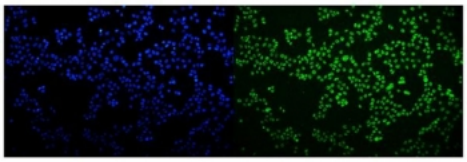
IHC staining of FFPE human liver cancer with hnRNP H3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



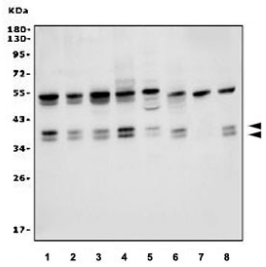
IHC staining of FFPE human breast cancer with hnRNP H3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



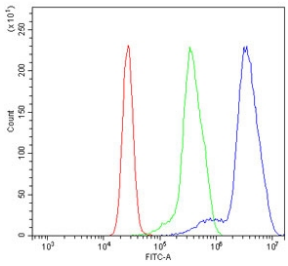
IHC staining of FFPE human placental tissue with hnRNP H3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Immunofluorescent staining of FFPE human MCF7 cells with hnRNP H3 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) Jurkat, 2) PC-3, 3) Raji, 4) K562, 5) Caco-2, 6) MCF7, 7) HL-60 and 8) a second lot of PC-3 cell lysate with hnRNP H3 antibody. Predicted molecular weight: 35 kDa and 37 kDa.



Flow cytometry testing of human K562 cells with hnRNP H3 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= hnRNP H3 antibody.

Description

Heterogeneous nuclear ribonucleoprotein H3 is a protein that in humans is encoded by the HNRNPH3 gene. This gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins and they complex with heterogeneous nuclear RNA (hnRNA). These proteins are associated with pre-mRNAs in the nucleus and appear to influence pre-mRNA processing and other aspects of mRNA metabolism and transport. While all of the hnRNPs are present in the nucleus, some seem to shuttle between the nucleus and the cytoplasm. The hnRNP proteins have distinct nucleic acid binding properties. The protein encoded by this gene has two repeats of quasi-RRM domains that bind to RNAs. It is localized in nuclear bodies of the nucleus. This protein is involved in the splicing process and it also participates in early heat shock-induced splicing arrest by transiently leaving the hnRNP complexes. Several alternatively spliced transcript variants have been noted for this gene, however, not all are fully characterized.

Application Notes

Optimal dilution of the hnRNP H3 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids K29-N268) was used as the immunogen for the hnRNP H3 antibody.

Storage

After reconstitution, the hnRNP H3 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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