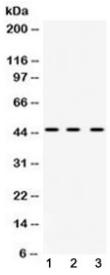
hnRNP F Antibody (R32625)

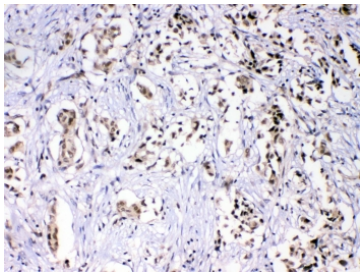
Catalog No.	Formulation	Size
R32625	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

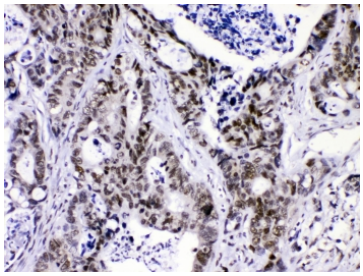
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P52597
Localization	Nuclear
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This hnRNP F antibody is available for research use only.



Western blot testing of 1) rat liver, 2) mouse spleen and 3) human HeLa cell lysate with hnRNP F antibody at 0.5ug/ml. Predicted molecular weight ~46 kDa.



IHC testing of FFPE human breast cancer with hnRNP F antibody at 1ug/ml. HIER: steam section in pH6 citrate buffer for 20 min.



IHC testing of FFPE human intestinal cancer with hnRNP F antibody at 1ug/ml. HIER: steam section in pH6 citrate buffer for 20 min.

Description

Heterogeneous nuclear ribonucleoprotein F is a protein that in humans is encoded by the HNRNPF gene. This gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins that complex with heterogeneous nuclear RNA (hnRNA). These proteins are associated with pre-mRNAs in the nucleus and regulate alternative splicing, polyadenylation, 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 three repeats of quasi-RRM domains that bind to RNAs which have guanosine-rich sequences. This protein is very similar to the family member hnRPH. Multiple alternatively spliced variants, encoding the same protein, have been identified.

Application Notes

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

Immunogen

Amino acids 23-53 (SVEDVQNFLSDCTIHDGAAGVHFIYTREGRQ-human) were used as the immunogen for the hnRNP F antibody.

Storage

After reconstitution, the hnRNP F 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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