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SNRPA / U1A Antibody (clone 3F9-1F7)

Mouse Monoclonal Antibody
Catalog # ALS13397

Specification

SNRPA / U1A Antibody (clone 3F9-1F7) - Product Information

Application	**WB, IF, IHC**
Primary Accession	P09012
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**31kDa KDa**

SNRPA / U1A Antibody (clone 3F9-1F7) - Additional Information

Gene ID 6626

Other Names
U1 small nuclear ribonucleoprotein A, U1 snRNP A, U1-A, U1A, SNRPA

Reconstitution & Storage
Store at -20°C. Aliquot to avoid freeze/thaw cycles.

Precautions
SNRPA / U1A Antibody (clone 3F9-1F7) is for research use only and not for use in diagnostic or therapeutic procedures.

SNRPA / U1A Antibody (clone 3F9-1F7) - Protein Information

Name SNRPA

Function
Component of the spliceosomal U1 snRNP, which is essential for recognition of the pre-mRNA 5' splice-site and the subsequent assembly of the spliceosome. U1 snRNP is the first snRNP to interact with pre-mRNA. This interaction is required for the subsequent binding of U2 snRNP and the U4/U6/U5 tri-snRNP. SNRPA binds stem loop II of U1 snRNA. In a snRNP-free form (SF-A) may be involved in coupled pre-mRNA splicing and polyadenylation process. May bind preferentially to the 5'-UGCAC-3' motif on RNAs.

Cellular Location
Nucleus.

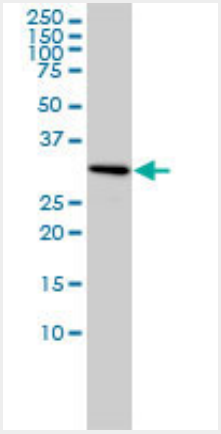
SNRPA / U1A Antibody (clone 3F9-1F7) - Protocols

Provided below are standard protocols that you may find useful for product applications.

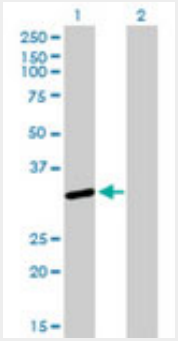
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- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

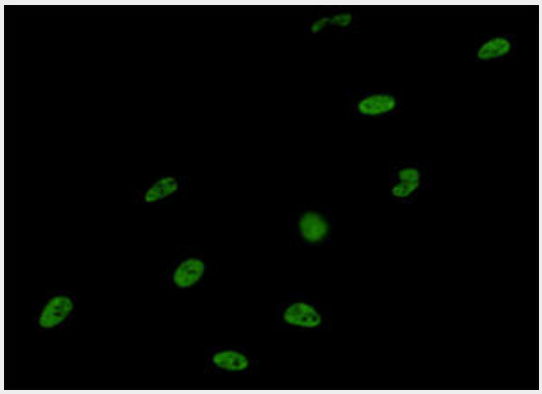
SNRPA / U1A Antibody (clone 3F9-1F7) - Images



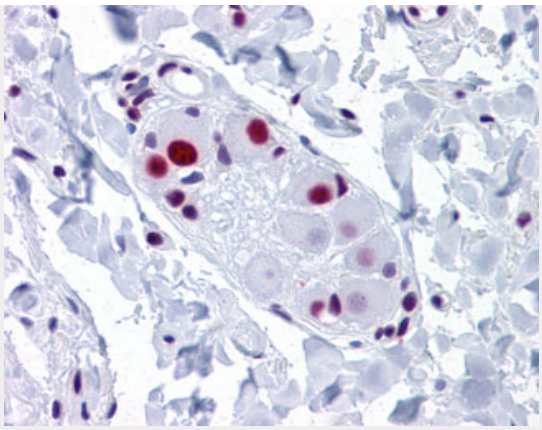
SNRPA monoclonal antibody (M01), clone 3F9-1F7 Western blot of SNRPA expression in HeLa.



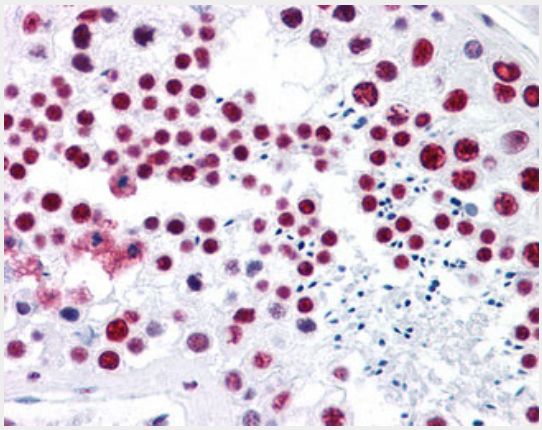
Western blot of SNRPA expression in transfected 293T cell line by SNRPA monoclonal antibody...



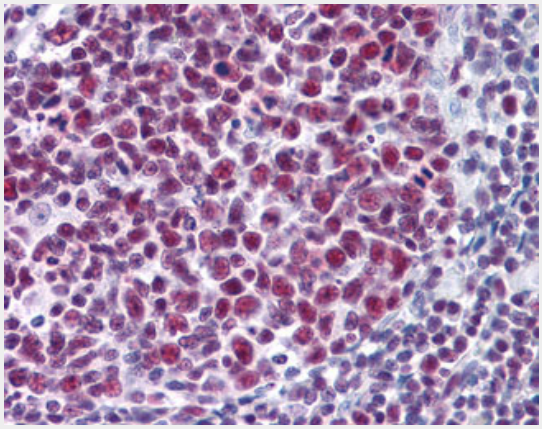
Immunofluorescence of monoclonal antibody to SNRPA on HeLa cell (antibody concentration 10 ug/ml).



Anti-SNRPA antibody IHC of human small intestine, submucosal plexus.



Anti-SNRPA antibody IHC of human testis.



Anti-SNRPA antibody IHC of human tonsil.

SNRPA / U1A Antibody (clone 3F9-1F7) - Background

Component of the spliceosomal U1 snRNP, which is essential for recognition of the pre-mRNA 5' splice-site and the subsequent assembly of the spliceosome. U1 snRNP is the first snRNP to interact with pre-mRNA. This interaction is required for the subsequent binding of U2 snRNP and the U4/U6/U5 tri-snRNP. SNRPA binds stem loop II of U1 snRNA. In a snRNP-free form (SF-A) may be involved in coupled pre-mRNA splicing and polyadenylation process. May bind preferentially to the 5'-UGCAC-3' motif on RNAs.

SNRPA / U1A Antibody (clone 3F9-1F7) - References

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Bienvenut W.V.,et al.Submitted (JAN-2004) to UniProtKB.
Lutz C.S.,et al.RNA 4:1493-1499(1998).
Dephoure N.,et al.Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).