Best Tools for immunology Research

SRp20 Polyclonal Antibody

Catalog No :	YT4417
Reactivity :	Human;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	SRp20
Fields :	>>Spliceosome;>>Amyotrophic lateral sclerosis;>>Herpes simplex virus 1 infection
Gene Name :	SRSF3
Protein Name :	Serine/arginine-rich splicing factor 3
Human Gene Id :	6428
Human Swiss Prot No :	P84103
Mouse Gene Id :	20383
Mouse Swiss Prot No :	P84104
Immunogen :	The antiserum was produced against synthesized peptide derived from human SFRS3. AA range:111-160
Specificity :	SRp20 Polyclonal Antibody detects endogenous levels of SRp20 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:5000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 25kD

Cell Pathway : Spliceosome;

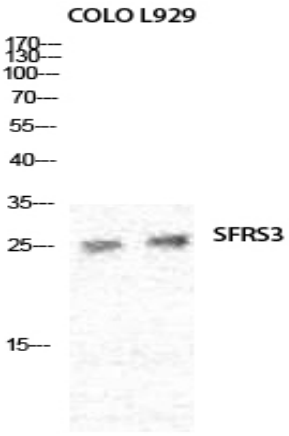
Background : The protein encoded by this gene is a member of the serine/arginine (SR)-rich family of pre-mRNA splicing factors, which constitute part of the spliceosome. Each of these factors contains an RNA recognition motif (RRM) for binding RNA and an RS domain for binding other proteins. The RS domain is rich in serine and arginine residues and facilitates interaction between different SR splicing factors. In addition to being critical for mRNA splicing, the SR proteins have also been shown to be involved in mRNA export from the nucleus and in translation. Two transcript variants, one protein-coding and the other non-coding, have been found for this gene. [provided by RefSeq, Sep 2010],

Function : function:May be involved in RNA processing in relation with cellular proliferation and/or maturation.,PTM:Extensively phosphorylated on serine residues in the RS domain.,similarity:Belongs to the splicing factor SR family.,similarity:Contains 1 RRM (RNA recognition motif) domain.,subunit:Interacts with CPSF6, RBMY1A1 and SFRS12.,

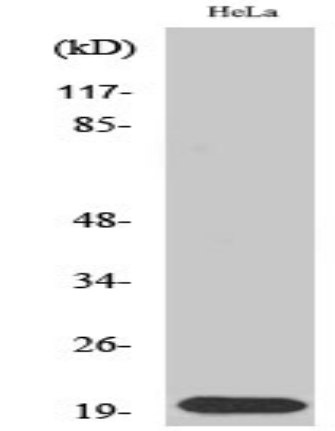
Subcellular Location : Nucleus . Nucleus speckle . Cytoplasm . Recruited to nuclear speckles following interaction with YTHDC1. .

Expression : Brain,Epithelium,Placenta,Tongue,

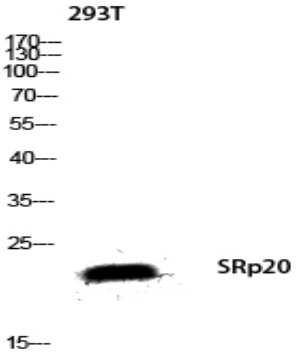
Products Images



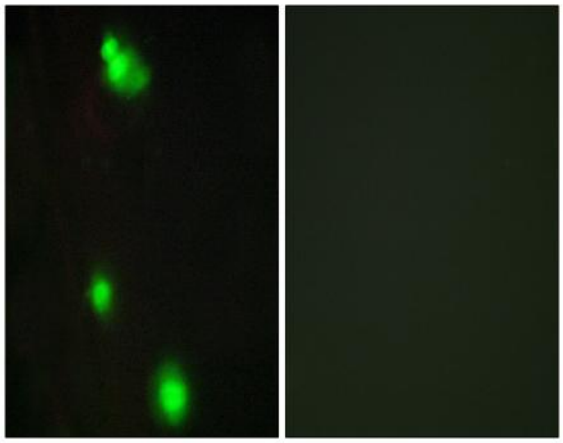
Western Blot analysis of various cells using SRp20 Polyclonal Antibody diluted at 1:2000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).



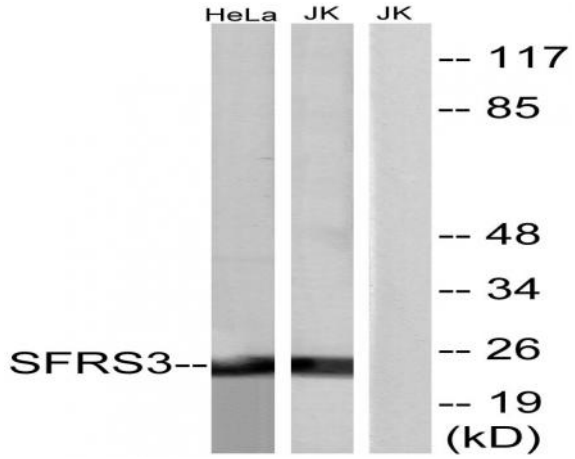
Western Blot analysis of Jurkat cells using SRp20 Polyclonal Antibody diluted at 1:2000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).



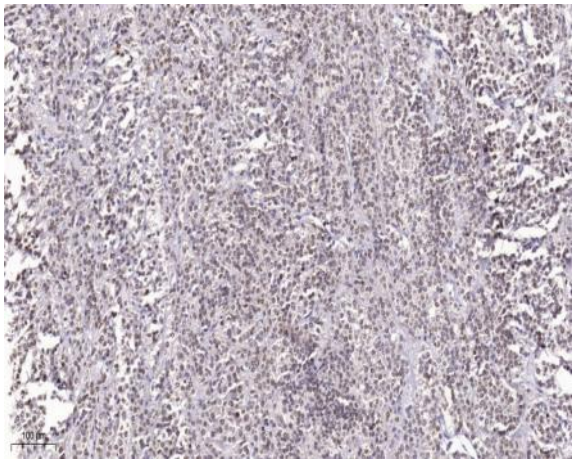
Western blot analysis of 293T lysis using SRp20 antibody. Antibody was diluted at 1:2000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).



Immunofluorescence analysis of MCF7 cells, using SFRS3 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HeLa and Jurkat cells, using SFRS3 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human Small intestinal stromal tumor. 1, Tris-EDTA,pH9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200(4° overnight.3,Secondary antibody was diluted at 1:200(room temperature, 45min).