

9G8 Polyclonal Antibody

Catalog No :	YT0028
Reactivity :	Human;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	9G8
Fields :	>>Spliceosome;>>Amyotrophic lateral sclerosis;>>Herpes simplex virus 1 infection
Gene Name :	SRSF7
Protein Name :	Serine/arginine-rich splicing factor 7
Human Gene Id :	6432
Human Swiss Prot No :	Q16629
Mouse Gene Id :	225027
Mouse Swiss Prot No :	Q8BL97
Immunogen :	The antiserum was produced against synthesized peptide derived from human SFRS7. AA range:61-110
Specificity :	9G8 Polyclonal Antibody detects endogenous levels of 9G8 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. ELISA: 1:40000.. IF 1:50-200
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 : 35kD

Cell Pathway : Spliceosome;

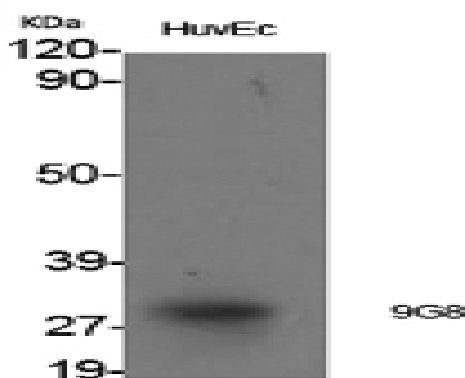
Background : The protein encoded by this gene is a member of the serine/arginine (SR)-rich family of pre-mRNA splicing factors, which constitute part of the spliceosome. Each of these factors contains an RNA recognition motif (RRM) for binding RNA and an RS domain for binding other proteins. The RS domain 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 encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2010],

Function : alternative products:Isoforms, often lacking the RS domain and differentially expressed in fetal tissues, may be involved in modulation of 9G8 function, function:Required for pre-mRNA splicing. Can also modulate alternative splicing in vitro., PTM:Extensively phosphorylated on serine residues in the RS domain., similarity:Belongs to the splicing factor SR family., similarity:Contains 1 CCHC-type zinc finger., similarity:Contains 1 RRM (RNA recognition motif) domain., subunit:Found in large molecular weight complexes containing CCNL1 and the p110 isoforms of either CDC2L1 or CDC2L2. Interacts with CCNL2 and CPSF6., tissue specificity:Brain, liver, kidney and lung.,

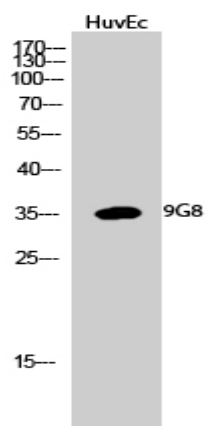
Subcellular Location : Nucleus . Cytoplasm .

Expression : Brain, liver, kidney and lung.

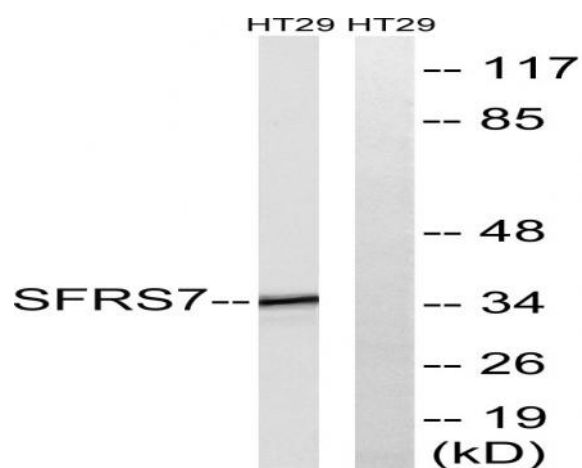
Products Images



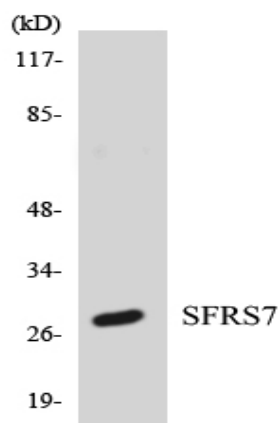
Western Blot analysis of various cells using 9G8 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA).



Western Blot analysis of HuvEc cells using 9G8 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).



Western blot analysis of lysates from HT-29 cells, using SFRS7 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HT-29 cells using SFRS7 antibody.



Immunohistochemical analysis of paraffin-embedded human tonsil. 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).