



Rabbit Anti-FUSIP1 antibody

SL13229R

Product Name:	FUSIP1
Chinese Name:	富含丝氨酸/精氨酸重复结构蛋白抗体
Alias:	40 kDa SR repressor protein; 40 kDa SR-repressor protein; Anti TLS associated protein with SR repeats; arginine/serine-rich 13A; FUS interacting protein serine arginine rich 1; FUS interacting protein serine arginine rich 2; FUS interacting serine arginine rich protein 1; FUS-interacting serine-arginine-rich protein 1; FUSIP1; FUSIP2; NSSR; OTTHUMP00000015774; Serine arginine repressor protein 40 kDa; Serine/arginine-rich splicing factor 10; SFRS13; SFRS13A; Splicing factor; Splicing factor arginine serine rich 13; Splicing factor SRp38; SRp38; SRp40; SRp40; SRS10_HUMAN; Srsf10; TASR; TASR1; TASR2; TLS associated protein TASR1; TLS associated protein TASR2; TLS associated protein with Ser Arg repeats; TLS associated protein with SR repeats; TLS associated serine arginine protein 1; TLS associated serine arginine protein 2; TLS associated serine arginine protein; TLS associated SR protein; TLS-associated protein with Ser-Arg repeats; TLS-associated protein with SR repeats; TLS-associated serine-arginine protein; TLS-associated SR protein.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	31kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human FUSIP1:151-250/262
Isotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>FUSIP1 is a member of the Serine/Arginine (SR) family of splicing factors. Members of the SR family all contain one or more RNA recognition motifs (RRM) and an SR-rich domain. SR factors are not only essential for constitutive splicing but also regulate splicing in a concentration-dependent manner by influencing the selection of alternative splice sites. Expressed in a variety of tissues with low expression in kidney, liver and heart, FUSIP1 localizes to the cytoplasm and nuclear speckles. In its dephosphorylated form (occurring during M phase of the cell cycle), FUSIP1 functions as a potent general repressor of pre-mRNA splicing and can interact with U1 SnRNP 70. In its phosphorylated form, FUSIP1 interacts with Tra-2] and, together, they may cooperate in the regulation of splicing. Four isoforms exist for FUSIP1. In neurons, FUSIP1 isoforms may act to either positively or negatively regulate alternative splicing.</p> <p>Function: Splicing factor that in its dephosphorylated form acts as a general repressor of pre-mRNA splicing. Seems to interfere with the U1 snRNP 5'-splice recognition of SNRNP70. Required for splicing repression in M-phase cells and after heat shock. May be involved in regulation of alternative splicing in neurons, with isoform 1 acting as a positive and isoform 3 as a negative regulator.</p> <p>Subunit: The phosphorylated but not the dephosphorylated form interacts with TRA2B/SFRS10. The dephosphorylated form interacts with SNRNP70. Isoform 1 and isoform 3 interact with FUS C-terminus.</p> <p>Subcellular Location: Nucleus speckle. Cytoplasm.</p> <p>Tissue Specificity: Widely expressed.</p> <p>Post-translational modifications: Phosphorylated. Fully dephosphorylated in mitosis and partially dephosphorylated on heat shock. Isoform 3 is phosphorylated on Ser-168.</p> <p>Similarity: Belongs to the splicing factor SR family. Contains 1 RRM (RNA recognition motif) domain.</p> <p>SWISS: O75494</p>

Gene ID:
10772

Database links:

[Entrez Gene: 782389](#)Cow

[Entrez Gene: 10772](#)Human

[Entrez Gene: 14105](#)Mouse

[Entrez Gene: 362630](#)Rat

[Ovim: 605221](#)Human

[SwissProt: O75494](#)Human

[SwissProt: Q9R0U0](#)Mouse

[Unigene: 3530](#)Human

[Unigene: 652334](#)Human

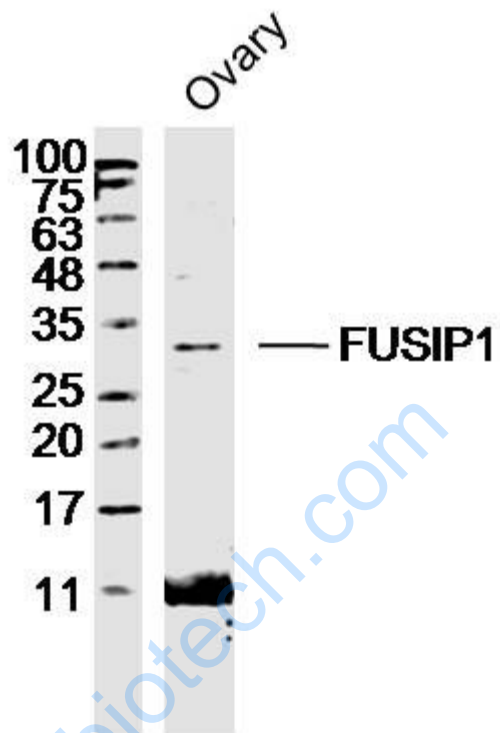
[Unigene: 10229](#)Mouse

[Unigene: 472035](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



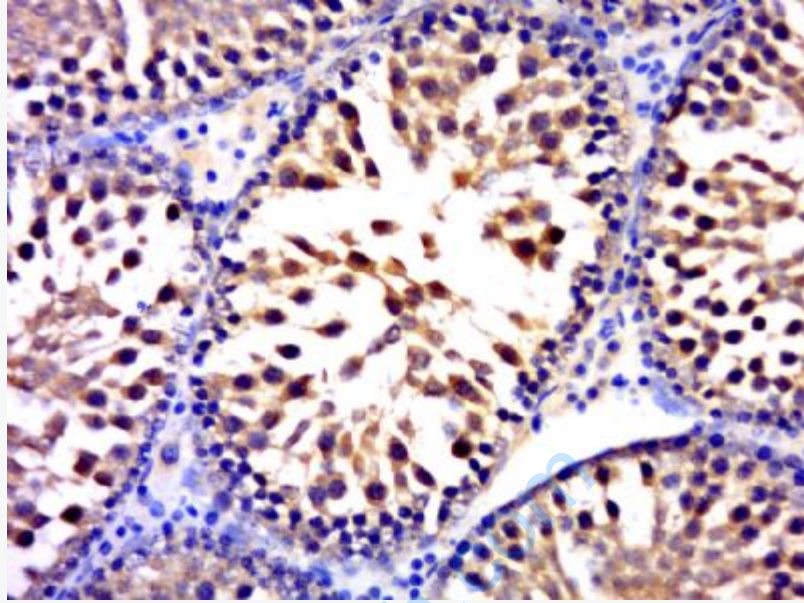
Sample: Ovary (Mouse) Lysate at 40 ug

Primary: Anti- FUSIP1 (SL13229R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 31kD

Observed band size: 31kD



Paraformaldehyde-fixed, paraffin embedded (rat testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FUSIP1) Polyclonal Antibody, Unconjugated (SL13229R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.