

SFRS15 Rabbit pAb

Catalog # AP99388

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	O95104
Other Accession	O95104
Reactivity	Human, Mouse
Predicted	Rat, Pig, Rabbit, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	125869
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SFRS15
Epitope Specificity	501-600/1147
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4.
SIMILARITY	Belongs to the splicing factor SR family. Contains 1 CID domain. Contains 1 RRM (RNA recognition motif) domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene likely encodes a member of the arginine/serine-rich splicing factor family. A similar protein in Rat appears to bind the large subunit of RNA polymerase II and provide a link between transcription and pre-mRNA splicing. Alternatively spliced transcript variants have been described. [provided by RefSeq, Feb 2009]

Additional Information

Gene ID	57466
Other Names	FZS; SFRS15; SRA4; Srsf15; SCAF4_HUMAN; SCAF4; CTD-binding SR-like protein RA4; Splicing factor, arginine/serine-rich 15; KIAA1172; SCAF4_RAT; SR-related CTD associated factor 4
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	SCAF4 {ECO:0000303 PubMed:31104839, ECO:0000312 HGNC:HGNC:19304}
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Function	Anti-terminator protein required to prevent early mRNA termination during transcription (PubMed: 31104839). Together with SCAF8, acts by suppressing the use of early, alternative poly(A) sites, thereby preventing the accumulation of non-functional truncated proteins (PubMed: 31104839). Mechanistically, associates with the phosphorylated C-terminal heptapeptide repeat domain (CTD) of the largest RNA polymerase II subunit (POLR2A), and subsequently binds nascent RNA upstream of early polyadenylation sites to prevent premature mRNA transcript cleavage and polyadenylation (PubMed: 31104839). Independently of SCAF8, also acts as a suppressor of transcriptional readthrough (PubMed: 31104839).
Cellular Location	Nucleus.

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