

Anti-SFRS15 Antibody

Catalog # AP53373

Product Information

Application	WB, IHC
Primary Accession	O95104
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	125869

Additional Information

Gene ID	57466
Other Names	KIAA1172; SFRS15; Splicing factor, arginine/serine-rich 15; CTD-binding SR-like protein RA4; SR-related and CTD-associated factor 4
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human SFRS15. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

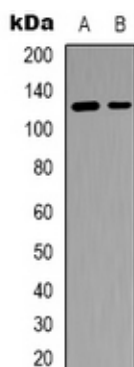
Protein Information

Name	SCAF4 {ECO:0000303 PubMed:31104839, ECO:0000312 HGNC:HGNC:19304}
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.

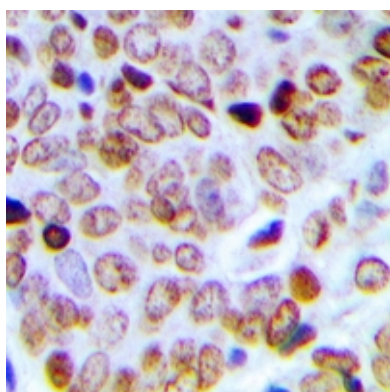
References

Tassone F.,et al.Submitted (AUG-1997) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Hattori M.,et al.Nature 405:311-319(2000).
Hirosawa M.,et al.DNA Res. 6:329-336(1999).

Images



Western blot analysis of SFRS15 expression in RT4 (A), Colo205 (B) whole cell lysates. (Predicted band size: 125 kD; Observed band size: 126 kD)



Immunohistochemical analysis of SFRS15 staining in human prostate cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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