

SFRS15 Polyclonal Antibody

Catalog # AP72448

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	O95104
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	125869

Additional Information

Gene ID	57466
Other Names	SCAF4; KIAA1172; SFRS15; Splicing factor; arginine/serine-rich 15; CTD-binding SR-like protein RA4; SR-related and CTD-associated factor 4
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

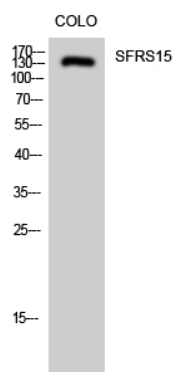
Protein Information

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.

Background

May act to physically and functionally link transcription and pre-mRNA processing.

Images



Western Blot analysis of COLO cells using SFRS15 Polyclonal Antibody diluted at 1 : 2000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.