10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SCAF8 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21643c

Product Information

Application	WB, E
Primary Accession	Q9UPN6
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB53310
Calculated MW	140519

Additional Information

Gene ID	22828
Other Names	Protein SCAF8, CDC5L complex-associated protein 7, RNA-binding motif protein 16, SR-related and CTD-associated factor 8, SCAF8, CCAP7, KIAA1116, RBM16
Target/Specificity	This SCAF8 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 520-554 amino acids from the Central region of human SCAF8.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	SCAF8 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SCAF8 {ECO:0000303|PubMed:9528809, ECO:0000312|HGNC:HGNC:20959}
Function	Anti-terminator protein required to prevent early mRNA termination during transcription (PubMed:31104839). Together with SCAF4, 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 SCAF4, also acts as a positive regulator of transcript elongation (PubMed:31104839).
Cellular Location	Nucleus. Nucleus matrix. Note=Detected in granular nuclear foci which correspond to sites of active transcription

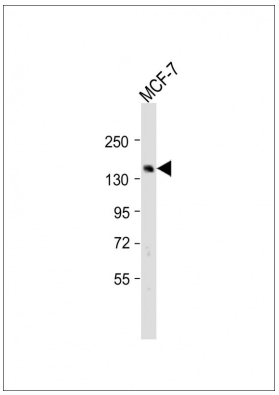
Background

May play a role in mRNA processing.

References

Kikuno R.,et al.DNA Res. 6:197-205(1999).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mungall A.J.,et al.Nature 425:805-811(2003).
Patturajan M.,et al.Mol. Cell. Biol. 18:2406-2415(1998).
Ajuh P.,et al.EMBO J. 19:6569-6581(2000).

Images



Anti-SCAF8 Antibody (Center) at 1:2000 dilution + MCF-7 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 141 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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