

For Research Use Only

SII-TFIIS,TCEA1 Recombinant antibody

Catalog Number:85664-4-RR



Basic Information

Catalog Number: 85664-4-RR	GenBank Accession Number: BC072460	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 6917	CloneNo.: 243155H8
Source: Rabbit	UNIPROT ID: P23193	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:200-1:800
Isotype: IgG	Full Name: transcription elongation factor A (SII), 1	
Immunogen Catalog Number: AG12199	Calculated MW: 301 aa, 34 kDa	
	Observed MW: 40 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : HeLa cells, HEK-293 cells, Jurkat cells, SGC-7901 cells, K-562 cells, Sp2/0 cells
	IF/ICC : A431 cells, HeLa cells

Background Information

TCEA1, also named as transcription elongation factor A protein 1, is a 301 amino acid protein, which contains 1 TFIIS central domain and belongs to the TFS-II family. TCEA1 localizes in the nucleus and is necessary for efficient RNA polymerase II transcription elongation past template-encoded arresting sites. The arresting sites in DNA have the property of trapping a certain fraction of elongating RNA polymerases that pass through, resulting in locked ternary complexes. Cleavage of the nascent transcript by S-II allows the resumption of elongation from the new 3'-terminus. The calculated molecular weight of TCEA1 is 37 kDa, but modified TCEA1 is about 37-40 kDa.

Storage

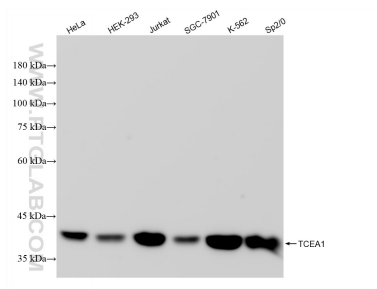
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

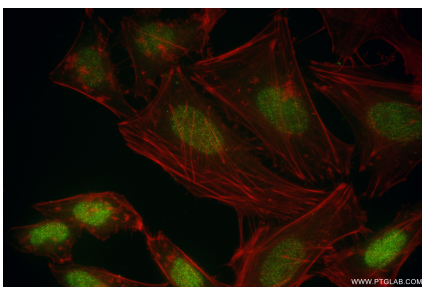
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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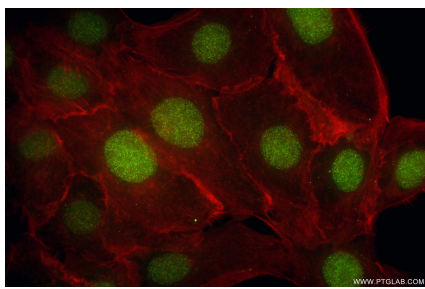
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85664-4-RR (SII-TFIIS,TCEA1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using SII-TFIIS,TCEA1 antibody (85664-4-RR, Clone: 243155H8) at dilution of 1:400 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed A431 cells using SII-TFIIS,TCEA1 antibody (85664-4-RR, Clone: 243155H8) at dilution of 1:400 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).