

For Research Use Only

SII-TFIIS,TCEA1 Recombinant antibody

Catalog Number:85664-4-RR



Basic Information

Catalog Number:

85664-4-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12199

GenBank Accession Number:

BC072460

GeneID (NCBI):

6917

UNIPROT ID:

P23193

Full Name:

transcription elongation factor A (SII),
1

Calculated MW:

301 aa, 34 kDa

Observed MW:

40 kDa

Purification Method:

Protein A purification

CloneNo.:

243155H8

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse

Positive Controls:

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

For technical support and original validation data for this product please contact:

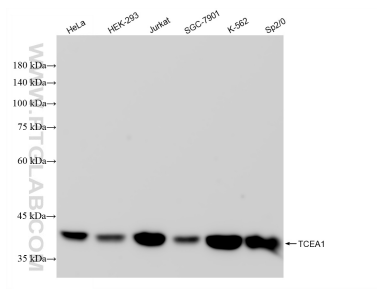
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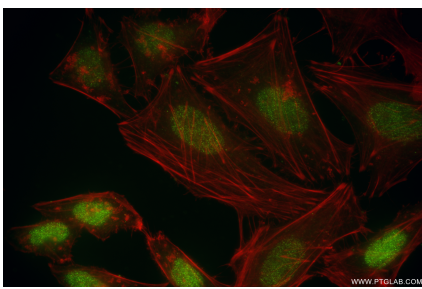
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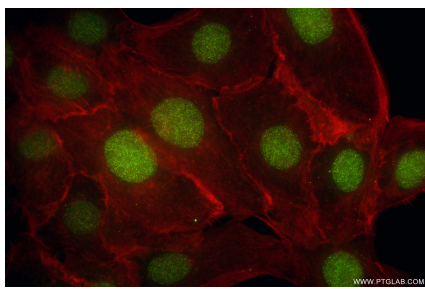
Selected Validation Data



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).