

For Research Use Only

TCEA1 Polyclonal antibody

Catalog Number: 17825-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

17825-1-AP

Size:

150ul, Concentration: 550 ug/ml by Nanodrop;

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:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : Sp2/O cells, HeLa cells, SGC-7901 cells

IP : HeLa cells,

IHC : human brain tissue,

Background Information

TCEA1, also named as transcription elongation factor A protein 1, is a 301 amino acid protein, which contains 1 TFIIIS 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Song You	30416857	Am J Cancer Res	WB
Shang Zhi	35637971	Int J Biol Sci	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

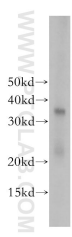
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

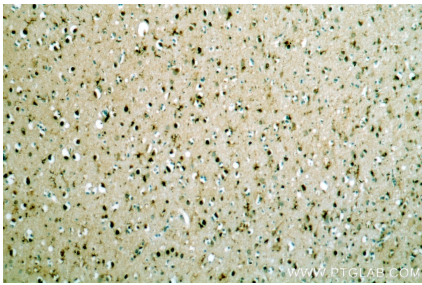
E: proteintech@ptglab.com
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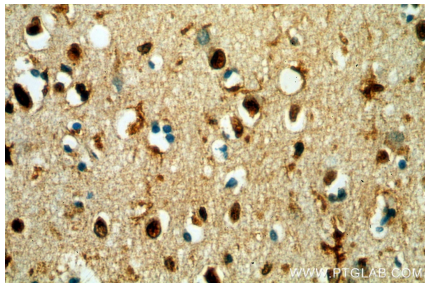
Selected Validation Data



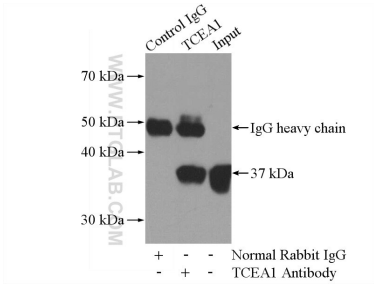
Sp2/O cells were subjected to SDS PAGE followed by western blot with 17825-1-AP (TCEA1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain using 17825-1-AP (TCEA1 antibody) at dilution of 1:400 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain using 17825-1-AP (TCEA1 antibody) at dilution of 1:400 (under 40x lens).



IP result of anti-TCEA1 (IP:17825-1-AP, 4ug; Detection:17825-1-AP 1:500) with HeLa cells lysate 520ug.