

# TCEA1 Polyclonal antibody

Catalog Number: 17825-1-AP

Featured Product

2 Publications

## Basic Information

## Catalog Number:

17825-1-AP

## Size:

550 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:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:3000

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

IHC 1:20-1:200

## Applications

## Tested Applications:

IHC, IP, WB, 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

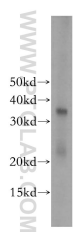
For technical support and original validation data for this product please contact:

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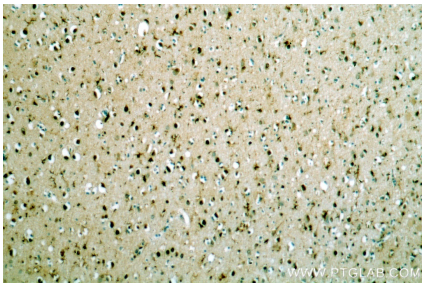
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Group brand and is not available to purchase from any  
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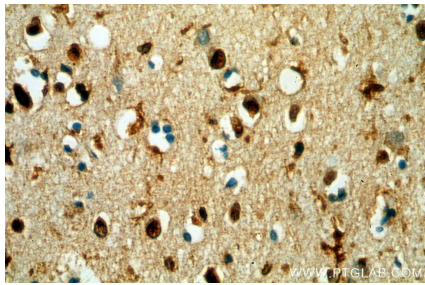
Selected Validation Data



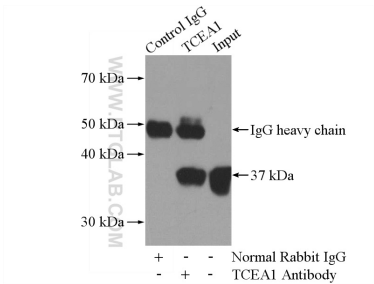
Sp2/O cells were subjected to SDS PAGE followed by western blot with 17825-1-AP (TCEA1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



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.